SUPERVALU
Electronic Commerce

Electronic
Data
Interchange

850

PURCHASE ORDER

Version 004010UCS
March, 2002

New Partners - Start-up Procedure:

1. Contact the corporate EDI coordinator with the communication codes to be used in the interchange envelope.

2. Upon completion of the setup on your system, notify SUPERVALU's corporate EDI department that you are ready to start testing.

3. SUPERVALU will notify the divisions that you are ready to receive purchase orders and request that they contact you to negotiate a startup date. Parallel orders will then be placed via EDI transmission and either faxed or called into the appropriate location.

4. During the parallel/testing phase, it is the responsibility of the trading partner to review the order to ensure the UPC case codes being transmitted are accurate. Any discrepancies should be communicated to the appropriate buyer. To assist in this, the division EDI coordinator can supply you with a list of items which are being purchased from you. In the case of the broker, this list will be compiled for each vendor the broker represents.

5. The SUPERVALU distribution center and vendor or broker will mutually agree on the validity of the parallel/testing results before switching to production. The basic conditions which need to be satisfied are as follows:

   a. UPC case codes must be corrected.
   b. The vendor or broker must electronically acknowledge
      (using transaction set 997) the Purchase Order Transmission within 12 hours.

Problem Resolution:

- **Purchase Order is not computer processable**
  Call Corporate EDI Helpline at 612 828 4506.
- **Transmission problems**
  Call Corporate EDI Helpline at 612 828 4506.
- **Purchase Order contains incomplete information to fill the order**
  Call Buyer at the particular SUPERVALU distribution center.
- **General UCS problems**
  Call Corporate EDI Helpline at 612 828 4506.

850 Purchase Order

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:

The 850 Purchase Order transaction guidelines have been included in the UCS standards implementation guidelines in addition to the 875-Grocery Products Purchase Order in order to meet emerging business needs. Efforts are being made by several sectors of the grocery industry to standardize their EDI usage and use UCS guidelines for EDI transactions. Some of these sectors Alcohol Beverage, Convenience Stores and Food Service, have already implemented the 850-Purchase Order. In addition, many UCS participants implement across industries and find it necessary to implement both the 850-Purchase Order and the 875-Grocery Products Purchase Order. The guidelines in the 850-Purchase Order have been aligned with the 875-Grocery Products Purchase Order to allow for easier implementation. The 875-Grocery Products Purchase Order continues to be the primary purchase order transaction set used by the grocery industry, however consenting trading partners may now choose to utilize the 850-Purchase Order, particularly those trading primarily in the alcohol beverage, food service or convenience store sectors.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BEG	Beginning Segment for Purchase Order	M	1		
	050	REF	Reference Identification	O	>1		
	060	PER	Administrative Communications Contact	O	3		
	080	FOB	F.O.B. Related Instructions	O	>1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
	150	DTM	Date/Time Reference	O	10		
	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		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
Must Use	010	PO1	Baseline Item Data	M	1		n2
			LOOP ID - PID			1000	
	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 | | |
| | 150 | ITD | Terms of Sale/Deferred Terms of Sale | O | 2 | | |

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		n4
Must Use	030	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. If segment LIN is used, do not use LIN01.

2. PO102 is required.

3. 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.

4. 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.

5. If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

			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) 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		
			The control number is comprised of the functional group control number (Data Element 28 in the GS segment) followed by a four-digit sequence number. The sequence number is sequentially assigned by the sender, starting with one within each functional group. For each functional group, the first sequence number will be 0001 and will incremented by one for each additional transaction set within the group.		

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:			

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	BEG01	353	**Transaction Set Purpose Code**	M	ID 2/2
			Code identifying purpose of transaction set		
			00 Original - Used for all original purchase order submissions		
			06 Confirmation - Used only to refer to purchase orders that were previously submitted by telephone or fax.		
Must Use	BEG02	92	**Purchase Order Type Code**	M	ID 2/2
			Code specifying the type of Purchase Order		
			DS Dropship - Used for multi point orders		
			RC Retailer Pre-commitment - Used to notify vendor of retail cross-dock orders		
			SA Stand-alone Order - Used to indicate that the order is a regular order and the supplier will ship and bill.		
Must Use	BEG03	324	**Purchase Order Number**	M	AN 1/22
			Identifying number for Purchase Order assigned by the buyer/purchaser		
			SUPERVALU purchase order number.		
Must Use	BEG05	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		
			Date purchase order was approved by Buyer.		

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.
Semantic Notes:
Comments:
Notes: This segment is used only when some unique internal number is required for tracing or problem resolution. See Section IV, Standards Conventions, for use of the REF segment to identify associated purchase orders/invoices.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	REF01	128	**Reference Identification Qualifier**	M	ID 2/3	
			Code qualifying the Reference Identification			
			AN Associated Purchase Orders			
	REF02	127	**Reference Identification**	X	AN 1/30	
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
			Additional purchase order numbers. SUPERVALU transmits a REF segment for each purchase order making up a complete shipment. Associated purchase orders will not necessarily be for the same vendor or ship-to location.			

Segment: # PER Administrative Communications Contact

Position: 060
Loop:
Level: Heading:
Usage: Optional
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		
	PER02	93	**Name**	O	AN 1/60
			Free-form name		
			Buyer's Name		
	PER03	365	**Communication Number Qualifier**	X	ID 2/2
			Code identifying the type of communication number		
			TE Telephone Number		
	PER04	364	**Communication Number**	X	AN 1/80
			Complete communications number including country or area code when applicable		
			Telephone number of the contact in the PER02.		

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

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		
		CC Collect		
		PB Customer Pick-up/Backhaul		
		PP Prepaid (by Seller)		
FOB02	**309**	**Location Qualifier**	**X**	**ID 1/2**
		Code identifying type of location		
		OR Origin (Shipping Point)		
		PL Plant		
FOB03	**352**	**Description**	**O**	**AN 1/80**
		Descriptive name of F.O.B. point.		

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		
		2 Delivery Date		
ITD03	338	Terms Discount Percent	O	R3 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		
		SUPERVALU will transmit Terms Discount Due Date or Terms Discount Days in ITD05.		
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		
		SUPERVALU will transmit Terms Discount Days Due or Terms Discount Due Date in ITD04.		
ITD06	446	Terms Net Due Date	O	DT 8/8
		Date when total invoice amount becomes due expressed in format CCYYMMDD		
		SUPERVALU will transmit Terms Net Due Date or Terms Net Day in ITD07.		
ITD07	386	Terms Net Days	O	N0 1/3
		Number of days until total invoice amount is due (discount not applicable)		
		SUPERVALU will transmit Terms Net Days or Terms Net Due Date in ITD06.		

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		
			002 Delivery Requested		
			118 Requested Pick-up		
			SUPERVALU will transmit both date qualifiers when mode of shipment is backhaul/customer pick-up.		
			067 Current Schedule Delivery		
			This qualifier will be used to indicate the SUPERVALU scheduled appointment date. Usage to begin May, 2002.		
	DTM02	373	**Date**	X	**DT 8/8**
			Date expressed as CCYYMMDD		
			Date applicable to qualifier in DTM01		
	DTM03	337	**Time**	X	**TM 4/8**
			Time expressed as HHMM		
			Time applicable to qualifier in DTM04		
	DTM04	623	**Time Code**	X	**ID 2/2**
			LT Local Time		
			Use of this code value indicates in **local** time when delivery can be expected		

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

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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 At least one of TD502 TD504 TD505 TD506 or TD512 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
TD504	**91**	**Transportation Method/Type Code**	**X**	**ID 1/2**

Code specifying the method or type of transportation for the shipment

H	Customer Pickup
M	Motor (Common Carrier)
R	Rail

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		
			This segment will only be sent when a MSG segment is necessary. The only reason for the transmission of the N9 segment is for syntactical purposes.		
	N903	369	**Free-Form Description**	C	AN 1/45

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
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

Message pertinent to the whole purchase order. This segment will only be used if the special instructions cannot be transmitted via data elements or segments.

Segment:		**N1** Name			

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: Use this segment with a code in N104 whenever possible. This will eliminate the need to send complete name and address information in the N2 - N4 segments.

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		
			BO Broker or Sales Office (only sent if order is transmitted to broker		
			BS Bill and Ship To		
			BT Bill-to-Party		
			ST Ship To		
			VN Vendor		
	N102	93	**Name**	X	AN 1/60
			Free-form name		
			Name applicable to qualifier in N101.		
	N103	66	**Identification Code Qualifier**	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
	N104	67	**Identification Code**	X	AN 2/80
			Code identifying a party or other code		
			DUNS number and suffix for location in N102.		

			Segment:	**N3** Address Information

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
Syntax Notes:
Semantic Notes:
Comments:
Notes: Use segments N2 - N4 only if address information for the referenced organization or company in the N1 segment cannot be derived from the code in N104.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N301	166	**Address Information**	M	**AN 1/55**
			Address of location of N1 segment if BS or ST qualifier.		
	N302	166	**Address Information**	O	**AN 1/55**
			Additional address information, if necessary.		

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.		
Notes:	Use segments N2 - N4 only if address information for the referenced organization or company in the N1 segment cannot be derived from the code in N104.		

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N401	**19**	**City Name**	**O AN 2/30**
		Free-form text for city name	
		City name for location in N1 if BS or ST qualifier.	
N402	**156**	**State or Province Code**	**O ID 2/2**
		Code (Standard State/Province) as defined by appropriate government agency	
		State code for location in N1 if BS or ST qualifier.	
N403	**116**	**Postal Code**	**O ID 3/15**
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
		Zip code for location in N1 if BS or ST qualifier.	

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.
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.

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
PO102	330	**Quantity Ordered**	X	**R0 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		
		BA Bale *Future use		
		CA Case		
		DS Display *Future use		
		DZ Dozen *Future use		
		EA Each *Future use for orders other than Easton location.		
		PL Pallet/Unit Load *Future use		
PO104	212	**Unit Price**	X	**R4 1/17**
		Price per unit of product, service, commodity, etc.		
		SUPERVALU will transmit Item List Cost .		
PO105	639	**Basis Unit Price Code**	O	**ID 2/2**
		FX Fixed Cost		
		This code will be sent when there is a price sent in the PO104.		
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)		
		UA U.P.C. /EAN Case Code (2-5-5)		
		This code will be sent when Unit of Measure code in PO103 is other than EA.		
		UD U.P.C./EAN Consumer Package Code (2-5-5)		
		This code will only be sent when the Unit of Measure code in PO103 is EA		
PO107	234	**Product/Service ID**	X	**AN 1/48**
		Identifying number for a product or service		
		Coinciding U.P.C./EAN Code		
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)		
		PI Purchaser's Item Code		
PO109	234	**Product/Service ID**	X	**AN 1/48**
		Identifying number for a product or service		
		SUPERVALU's Item Code		

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)

Alternate Item Qualifier (future use)

PO111	**234**	**Product/Service ID**	**X**	**AN 1/48**	

Identifying number for a product or service

Alternate Item Code (future use)

			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		
	PID05	352	**Description**	X	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
			Buyer should be contacted if the description does not match with the UPC code transmitted in the PO107.		

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.

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		
PO402	357	**Size**	X	R3 1/8
		Size of supplier units in pack		
PO403	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		
		Refer to the 004010UCS Data Element Dictionary for acceptable code values.		

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

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.

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   SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.

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.

Notes: SAC09 and SAC10 are required when SAC08 is used and, SAC09 and SAC10 are different than item detail in PO102 and PO103.

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		
	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	**ID 4/4**
			Code identifying the service, promotion, allowance, or charge		
	SAC08	118	**Rate**	O	**R4 1/9**
			Rate expressed in the standard monetary denomination for the currency specified		
			Allowance rate per unit expected off invoice		
	SAC12	331	**Allowance or Charge Method of Handling Code**	O	**ID 2/2**
			Code indicating method of handling for an allowance or charge		
			02 Off Invoice		
	SAC13	127	**Reference Identification**	X	**AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			Promotion number if supplied by vendor or broker.		

Segment:	**ITD** Terms of Sale/Deferred Terms of Sale

Position:	150
Loop:	PO1 Mandatory
Level:	Detail:
Usage:	Optional
Max Use:	2
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		
		2 Delivery Date		
ITD03	**338**	**Terms Discount Percent**	**O**	**R3 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		
		SUPERVALU will transmit Terms Discount Due Date or Terms Discount Days in ITD05.		
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		
		SUPERVALU will transmit Terms Discount Days or Terms Discount Due Date in ITD04.		
ITD06	**446**	**Terms Net Due Date**	**O**	**DT 8/8**
		Date when total invoice amount becomes due expressed in format CCYYMMDD		
		SUPERVALU will transmit Terms Net Due Date or Terms Net Days in ITD07		
ITD07	**386**	**Terms Net Days**	**O**	**N0 1/3**
		Number of days until total invoice amount is due (discount not applicable)		
		SUPERVALU will transmit Terms Net Days or Terms Net Due Date in ITD06		

			Segment:	**CTT** **Transaction Totals**

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		
			CTT01 total should equal the number of PO1 segments present in the transaction set.		
	CTT03	81	**Weight**	X	R2 1/10
			Numeric value of weight		
	CTT04	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		
			LB Pound		
	CTT05	183	**Volume**	X	R3 1/8
			Value of volumetric measure		
	CTT06	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		
			CF Cubic Feet		

			Segment:	**SE** Transaction Set Trailer

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	
			When used in the SE segment, the count includes the total number of segments in the transaction including the 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	
			The transaction set control number (SE02) is the same as that used in the corresponding header (ST02).	