850 Delhaize America Purchase Order Version 5010

Functional Group ID=PO

Introduction:

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 company will use the following delimiters for all EDI transactions, unless otherwise noted:
Segment - Tilde (~)   Element - Asterisk (*)   Subelement - Colon (:)

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0050	ISA	Interchange Control Header	M	1		
M	0075	GS	Functional Group Header	M	1		
M	0100	ST	Transaction Set Header	M	1		
M	0200	BEG	Beginning Segment for Purchase Order	M	1		
	0500	REF	Reference Information	O	>1		
	0800	FOB	F.O.B. Related Instructions	O	>1		
			LOOP ID - SAC			25	
	1200	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
	1300	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
	1500	DTM	Date/Time Reference	O	10		
	2400	TD5	Carrier Details (Routing Sequence/Transit Time)	O	>1		
			LOOP ID - N9			1000	
	2950	N9	Extended Reference Information	O	1		
			LOOP ID - N1			1	
	4225	N1	Vendor Information	O	1		
			LOOP ID - N1			1	
	4238	N1	Party Identification	O	1		
			LOOP ID - N1			1	
Must Use	4250	N1	Name - Ship-To Information	O	1		
	4275	N3	Party Location	O	1		
	4288	PKG	Marking, Packaging, Loading	O	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
M	0100	PO1	Baseline Item Data	M	1		n1
			LOOP ID - PID			1000	

	0500	PID	Product/Item Description	O	1		
	0900	PO4	Item Physical Details	O	>1		
			LOOP ID - SAC			25	
	1300	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
	1500	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	
	0100	CTT	Transaction Totals	O	1		n2
	0200	AMT	Monetary Amount Information	O	1		n3
M	0300	SE	Transaction Set Trailer	M	1		
M	0400	GE	Functional Group Trailer	M	1		
M	0500	IEA	Interchange Control Trailer	M	1		

Transaction Set Notes

1. PO102 is required.
2. 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.
3. 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:	**ISA** Interchange Control Header			

Position: 0050
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	ISA01	I01	**Authorization Information Qualifier**	M	1	**ID 2/2**
M	ISA03	I03	**Security Information Qualifier**	M	1	**ID 2/2**
M	ISA05	I05	**Interchange ID Qualifier**	M	1	**ID 2/2**
			07 Global Location Number (GLN)			
			A globally unique 13 digit code for the identification of a legal, functional or physical location within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system			
M	ISA06	I06	**Interchange Sender ID**	M	1	**AN 15/15**
			5400110000009			
M	ISA07	I05	**Interchange ID Qualifier**	M	1	**ID 2/2**
			Appropriate Qualifier for Trading Partner			
M	ISA08	I07	**Interchange Receiver ID**	M	1	**AN 15/15**
			Appropriate ID for Trading Partner			
M	ISA09	I08	**Interchange Date**	M	1	**DT 6/6**
M	ISA10	I09	**Interchange Time**	M	1	**TM 4/4**
M	ISA11	I65	**Repetition Separator**	M	1	**AN 1/1**
			^			
M	ISA12	I11	**Interchange Control Version Number**	M	1	**ID 5/5**
			00501 Standards Approved for Publication by ASC X12 Procedures Review Board through October 2003			
M	ISA13	I12	**Interchange Control Number**	M	1	**N0 9/9**
M	ISA14	I13	**Acknowledgment Requested**	M	1	**ID 1/1**
			0 No Interchange Acknowledgment Requested			
M	ISA15	I14	**Usage Indicator**	M	1	**ID 1/1**
			P Production Data			
M	ISA16	I15	**Component Element Separator**	M	1	**AN 1/1**
			: - Colon			

Segment: **GS** Functional Group Header
Position: 0075
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a functional group and to provide control information
Syntax Notes:
Semantic Notes:
   1 GS04 is the group date.
   2 GS05 is the group time.
   3 The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments: 1 A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	GS01	479	**Functional Identifier Code**	M	1	ID 2/2
			PO Purchase Order (850)			
M	GS02	142	**Application Sender's Code**	M	1	AN 2/15
			540011000			
M	GS03	124	**Application Receiver's Code**	M	1	AN 2/15
			Appropriate Code for Trading Partner			
M	GS04	373	**Date**	M	1	DT 8/8
M	GS05	337	**Time**	M	1	TM 4/8
M	GS06	28	**Group Control Number**	M	1	N0 1/9
M	GS07	455	**Responsible Agency Code**	M	1	ID 1/2
			X Accredited Standards Committee X12			
M	GS08	480	**Version / Release / Industry Identifier Code**	M	1	AN 1/12
			005010 Standards Approved for Publication by ASC X12 Procedures Review Board through October 2003			

Segment:	**ST** **Transaction Set Header**
Position:	0100
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).
	2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	ST01	143	**Transaction Set Identifier Code**	M	1	ID 3/3
			850 Purchase Order			
M	ST02	329	**Transaction Set Control Number**	M	1	AN 4/9

Segment:	**BEG** **Beginning Segment for Purchase Order**
Position:	0200
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		
M	BEG01	353	**Transaction Set Purpose Code**	M	1	ID 2/2	
			00 Original				
			06 Confirmation				
M	BEG02	92	**Purchase Order Type Code**	M	1	ID 2/2	
			CF Confirmation				
			NE New Order				
M	BEG03	324	**Purchase Order Number**	M	1	AN 1/22	
M	BEG05	373	**Date**	M	1	DT 8/8	

Segment: **REF** Reference Information
Position: 0500
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	1	ID 2/3	
	REF03	352	**Description**	X	1	AN 1/80	

Segment: **FOB** F.O.B. Related Instructions
Position: 0800
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.	Data

	Des.	Element	Name			Attributes
M	FOB01	146	**Shipment Method of Payment**	M	1	ID 2/2

Segment:	**SAC**	Service, Promotion, Allowance, or Charge Information
Position:	1200	
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 SAC14 is present, then SAC13 is required.
	7	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 with SAC03 to further define 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	1	ID 1/1
			A　　　　　　Allowance			
			C　　　　　　Charge			
	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	1	ID 4/4
	SAC05	610	**Amount**	O	1	N2 1/15
	SAC06	378	**Allowance/Charge Percent Qualifier**	X	1	ID 1/1
			4　　　　　　Discount/Net			
	SAC07	332	**Percent, Decimal Format**	X	1	R 1/6
	SAC08	118	**Rate**	O	1	R 1/9
	SAC09	355	**Unit or Basis for Measurement Code**	X	1	ID 2/2
			DO　　　　　　Dollars, U.S.			
	SAC10	380	**Quantity**	X	1	R 1/15
	SAC12	331	**Allowance or Charge Method of Handling Code**	O	1	ID 2/2

Segment:	**ITD** Terms of Sale/Deferred Terms of Sale
Position:	1300
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	1	**ID 2/2**
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	ITD02	333	**Terms Basis Date Code**	O	1	**ID 1/2**
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	ITD03	338	**Terms Discount Percent**	O	1	**R 1/6**
	ITD04	370	**Terms Discount Due Date**	X	1	**DT 8/8**
	ITD05	351	**Terms Discount Days Due**	X	1	**N0 1/3**
	ITD06	446	**Terms Net Due Date**	O	1	**DT 8/8**
	ITD07	386	**Terms Net Days**	O	1	**N0 1/3**
	ITD08	362	**Terms Discount Amount**	O	1	**N2 1/10**

Segment:	**DTM** Date/Time Reference
Position:	1500
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	1	**ID 3/3**
			002 Delivery Requested			
			010 Requested Ship			
	DTM02	373	**Date**	X	1	**DT 8/8**
	DTM03	337	**Time**	X	1	**TM 4/8**
	DTM04	623	**Time Code**	O	1	**ID 2/2**

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

	Position:	2400
	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		
	TD504	91	Transportation Method/Type Code	X	1	ID 1/2
	TD505	387	Routing	X	1	AN 1/35

	Segment:	**N9** Extended Reference Information
	Position:	2950
	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	1	ID 2/3
	N902	127	Reference Identification	X	1	AN 1/50
			Associated Purchase Order Number			
	N903	369	Free-form Description	X	1	AN 1/45
	N904	373	Date	O	1	DT 8/8
	N905	337	Time	X	1	TM 4/8
	N906	623	Time Code	O	1	ID 2/2

	Segment:	**N1** Vendor Information
	Position:	4225
	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:	This loop is not provided on all EDI purchase orders.	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	N101	98	Entity Identifier Code	M	1	ID 2/3
			VN	Vendor			
	N103	66	Identification Code Qualifier	X	1	ID 1/2
			92	Assigned by Buyer or Buyer's Agent			
	N104	67	Identification Code	X	1	AN 2/80
			Assigned Vendor Number for your account				

Segment:	**N1** Party Identification
Position:	4238
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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	N101	98	Entity Identifier Code	M	1	ID 2/3
			MF	Manufacturer of Goods			
	N102	93	Name	X	1	AN 1/60

Segment:	**N1** Name - Ship-To Information
Position:	4250
Loop:	N1 Optional (Must Use)
Level:	Heading
Usage:	Optional (Must Use)
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	1	ID 2/3
			ST Ship To			
	N102	93	**Name**	X	1	AN 1/60
	N103	66	**Identification Code Qualifier**	X	1	ID 1/2
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix			
	N104	67	**Identification Code**	X	1	AN 2/80

Delhaize America Ship To Duns Table For Our Distribution Centers

DC01
54 Hemco Road, So. Portland, ME 04106
0069495560010 - So. Portland DC Grocery
0069495560012 - So. Portland DC Dairy
0069495560013 - So. Portland DC Frozen
0069495560014 - So. Portland DC Meat
0069495560015 - So. Portland DC Produce
0069495560020 - So. Portland DC Gen. Mdse.
0069495560023 - So. Portland DC ALR Whse.

DC02
970 Route 9, Schodack Landing, NY 12156-9714
0069495560040 - Schodack DC Grocery
0069495560042 - Schodack DC Dairy
0069495560043 - Schodack DC Frozen
0069495560044 - Schodack DC Meat
0069495560045 - Schodack DC Produce

DC03
Route 202, Winthrop, ME 04364
0069495560071 - Progressive Dist. Inc.
0069495560074 - Progressive Dist. Inc. (RX)

DC10 (Dry)
2110 Executive Drive, Salisbury, NC 28144
0034485600011

DC10 (Fresh)
2085 Harrison Road, Salisbury, NC 28144
0034485600012

Salisbury Corporate
Food Lion Corporate Office 2110 Executive Drive, Salisbury, NC 28144
0034485600019

DC20
6500 Enterprize Dr., Disputanta, VA 23842
0034485600020

DC30
Snider Street, Elloree, SC 29047
0034485600030

DC04
Highway 301 South, Dunn, NC 28334
0034485600040

DC07
Antrim-Green Castle Industrial Park Lot 16 Commerce Ave, Green Castle, PA
17225
0034485600070

DC09
1703 East D Street, Butner NC 27509
0034485600090

Segment:	**N3** Party Location	
Position:	4275	
Loop:	N1	Optional (Must Use)
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	1	AN 1/55
	N302	166	Address Information	O	1	AN 1/55

Segment:	**PKG** Marking, Packaging, Loading	
Position:	4288	
Loop:	N1	Optional (Must Use)
Level:	Heading	
Usage:	Optional	
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	
PKG06	400	Unit Load Option Code	X	1	ID 2/2

Segment:	**PO1** Baseline Item Data	

Position:	0100	
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:	**1**	PO102 is quantity ordered.
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	
PO102	380	**Quantity**	X	1	R 1/15
PO103	355	**Unit or Basis for Measurement Code**	O	1	ID 2/2
PO104	212	**Unit Price**	X	1	R 1/17
PO105	639	**Basis of Unit Price Code**	O	1	ID 2/2
		PP	Price per Pound		
PO106	235	**Product/Service ID Qualifier**	X	1	ID 2/2
		UA	U.P.C./EAN Case Code (2-5-5)		
		UK	EAN/UCC - 14		
			Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)		
			Qualifier for GTIN (Global Trade Identification Number)		
PO107	234	**Product/Service ID**	X	1	AN 1/48
PO108	235	**Product/Service ID Qualifier**	X	1	ID 2/2
		Refer to 005010 Data Element Dictionary for acceptable code values.			
PO109	234	**Product/Service ID**	X	1	AN 1/48

Segment:	**PID** Product/Item Description	
Position:	0500	
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	1	ID 1/1	
		F Free-form				
PID05	352	Description	X	1	AN 1/80	

Segment:	# PO4 Item Physical Details
Position:	0900
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 unit of measure of the "Size" identified in the PO402. 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	1	N0 1/6
PO402	357	Size	X	1	R 1/8
PO403	355	Unit or Basis for Measurement Code	X	1	ID 2/2
		Refer to 005010 Data Element Dictionary for acceptable code values.			

| | | PO414 | 810 | Inner Pack | | O | 1 | N0 1/6 |

Segment: $\quad$ **SAC** Service, Promotion, Allowance, or Charge Information

Position: 1300
Loop: SAC $\qquad$ 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 SAC14 is present, then SAC13 is required.
7 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 with SAC03 to further define 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	1	ID 1/1
			A $\qquad$ Allowance			
			C $\qquad$ Charge			
	SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	1	ID 4/4
	SAC05	610	**Amount**	O	1	N2 1/15
	SAC06	378	**Allowance/Charge Percent Qualifier**	X	1	ID 1/1
			Z $\qquad$ Mutually Defined			
	SAC07	332	**Percent, Decimal Format**	X	1	R 1/6
	SAC08	118	**Rate**	O	1	R 1/9
	SAC09	355	**Unit or Basis for Measurement Code**	X	1	ID 2/2
			CA $\qquad$ Case			
			DO $\qquad$ Dollars, U.S.			
	SAC10	380	**Quantity**	X	1	R 1/15
	SAC12	331	**Allowance or Charge Method of Handling Code**	O	1	ID 2/2

Segment:	**ITD** Terms of Sale/Deferred Terms of Sale				
Position:	1500				
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	1	**ID 2/2**
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	ITD02	333	**Terms Basis Date Code**	O	1	**ID 1/2**
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	ITD03	338	**Terms Discount Percent**	O	1	**R 1/6**
	ITD05	351	**Terms Discount Days Due**	X	1	**N0 1/3**
	ITD06	446	**Terms Net Due Date**	O	1	**DT 8/8**
	ITD07	386	**Terms Net Days**	O	1	**N0 1/3**
	ITD08	362	**Terms Discount Amount**	O	1	**N2 1/10**

Segment:	**CTT** Transaction Totals				
Position:	0100				
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	1	**N0 1/6**
	CTT02	347	**Hash Total**	O	1	**R 1/10**
	CTT03	81	**Weight**	X	1	**R 1/10**
	CTT04	355	**Unit or Basis for Measurement Code**	X	1	**ID 2/2**
	CTT05	183	**Volume**	X	1	**R 1/8**
	CTT06	355	**Unit or Basis for Measurement Code**	X	1	**ID 2/2**

Segment:	**AMT** Monetary Amount Information

	Position:	0200	
	Loop:	CTT	Optional
	Level:	Summary	
	Usage:	Optional	
	Max Use:	1	
	Purpose:	To indicate the total monetary amount	
	Syntax Notes:		
	Semantic Notes:		
	Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	AMT01	522	Amount Qualifier Code	M	1 ID 1/3
			Total dollar amount of product ordered		
			TT Total Transaction Amount		
M	AMT02	782	Monetary Amount	M	1 R 1/18

	Segment:	**SE** Transaction Set Trailer	
	Position:	0300	
	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	1 N0 1/10
M	SE02	329	**Transaction Set Control Number**	M	1 AN 4/9

	Segment:	**GE** Functional Group Trailer	
	Position:	0400	
	Loop:		
	Level:	Summary	
	Usage:	Mandatory	
	Max Use:	1	
	Purpose:	To indicate the end of a functional group and to provide control information	
	Syntax Notes:		
	Semantic Notes:	1 The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.	
	Comments:	1 The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	GE01	97	**Number of Transaction Sets Included**	M	1 N0 1/6
M	GE02	28	**Group Control Number**	M	1 N0 1/9

Segment: **IEA** **Interchange Control Trailer**
Position: 0500
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	IEA01	I16	Number of Included Functional Groups	M	1	N0 1/5
M	IEA02	I12	Interchange Control Number	M	1	N0 9/9