

850 Delhaize America Direct Store Delivery CAO 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:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
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		
	1500	DTM	Date/Time Reference	O	10		
						1	
	3090	N9	Extended Reference Information - Store Information	O	1		
						1	
	4225	N1	Vendor Information	O	1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
						100000	
M	0100	PO1	Baseline Item Data	M	1		n1
						1000	
	0500	PID	Product/Item Description	O	1		
	0900	PO4	Item Physical Details	O	>1		

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
						1	
	0100	CTT	Transaction Totals	O	1		n2
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.

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

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
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:

- GS04 is the group date.
- GS05 is the group time.
- 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.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	GS01	479	Functional Identifier Code PO Purchase Order (850)	M 1 ID 2/2
M	GS02	142	Application Sender's Code 540011000DSD	M 1 AN 2/15
M	GS03	124	Application Receiver's Code Appropriate Code for Trading Partner	M 1 AN 2/15
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 X Accredited Standards Committee X12	M 1 ID 1/2
M	GS08	480	Version / Release / Industry Identifier Code 005010 Standards Approved for Publication by ASC X12 Procedures Review Board through October 2003	M 1 AN 1/12

- 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.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	ST01	143	Transaction Set Identifier Code 850 Purchase Order	M 1 ID 3/3
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:

Comments:

1 BEG05 is the date assigned by the purchaser to purchase order.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		<u>Attributes</u>
M	BEG01	353	Transaction Set Purpose Code 00 Original	M	1 ID 2/2
M	BEG02	92	Purchase Order Type Code NE New Order	M	1 ID 2/2
M	BEG03	324	Purchase Order Number	M	1 AN 1/22
M	BEG05	373	Date	M	1 DT 8/8

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:

Notes: Delivery Date is optional and may not always be provided.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier 002 Delivery Requested	M	1 ID 3/3
	DTM02	373	Date	X	1 DT 8/8

Segment: N9 Extended Reference Information - Store Information

Position: 3090

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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>		<u>Attributes</u>
M	N901	128	Reference Identification Qualifier ST Store Number	M	1 ID 2/3
	N902	127	Reference Identification	X	1 AN 1/50

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.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	N101	98 Entity Identifier Code VN Vendor	M 1 ID 2/3
	N103	66 Identification Code Qualifier 92 Assigned by Buyer or Buyer's Agent	X 1 ID 1/2
	N104	67 Identification Code Assigned Vendor Number for your account. This value must be returned in the Delhaize America Direct Store Delivery receiving transaction (810, 856, 894).	X 1 AN 2/80

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. Data

<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>		
PO102	380	Quantity	X	1	R 1/15
PO103	355	Unit or Basis for Measurement Code	O	1	ID 2/2
PO106	235	Product/Service ID Qualifier	X	1	ID 2/2
		UI U.P.C. Consumer Package Code (1-5-5)			
PO107	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

<u>Ref.</u>	<u>Data</u>				<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Name</u>			
M	PID01	349	Item Description Type	F	M 1 ID 1/1
				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

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u> <u>Name</u>	
PO401	356 Pack	O 1 N0 1/6

- 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

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u> <u>Name</u>	
M CTT01	354 Number of Line Items	M 1 N0 1/6

- Segment:** **SE** Transaction Set Trailer
- Position:** 0300
- Loop:** Summary
- 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

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u> <u>Name</u>	
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

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>		<u>Attributes</u>
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

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