852 Delhaize America Scan Based Trading Activity version 5010

Functional Group ID=PD

Introduction:

The transaction set can be used to advise a trading partner of inventory, sales, and other product activity information. Product activity data enables a trading partner to plan and ship, or propose inventory replenishment quantities, for distribution centers, warehouses or retail outlets.   The receiver of the transaction set will maintain some type of inventory/product movement records for its trading partners to enable replenishment calculations based on data provided by the distributor, warehouse or retailer.

Notes:

The company will use the following delimiters for all EDI transactions, unless otherwise noted:
Segment - Hex value A1 (tilde ~)   Element - Asterisk (*)   Subelement - Colon (:)

The Delhaize America Category Manager must approve this program for your company prior to any development of the EDI transaction or testing of data.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0025	ISA	Interchange Control Header	M	1		
M	0050	GS	Functional Group Header	M	1		
M	0100	ST	Transaction Set Header	M	1		
M	0200	XQ	Reporting Date/Action	M	1		
	0400	N9	Extended Reference Information	O	>1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - LIN			999999	
	0100	LIN	Item Identification	O	1		
	0200	CTP	Pricing Information	O	25		
			LOOP ID - ZA			>1	
M	0800	ZA	Product Activity Reporting	M	1		n1
	1100	SDQ	Destination Quantity	O	>1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0200	SE	Transaction Set Trailer	M	1		
M	0300	GE	Functional Group Trailer	M	1		
M	0400	IEA	Interchange Control Trailer	M	1		

Transaction Set Notes

1.   The quantity for the item identified in the LIN segment is required. Quantity is specified either in the ZA segment (ZA02) or in the SDQ segment.

	Ref.	**Data**				
	Des.	**Element**	**Name**		**Attributes**	

Segment: **ISA** Interchange Control Header
Position: 0025
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
		00	No Authorization Information Present (No Meaningful Information in I02)			
M	ISA03	I03	**Security Information Qualifier**	M	1	ID 2/2
		00	No Security Information Present (No Meaningful Information in I04)			
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 Receiver 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
			Symbol: '¬' (EBCDIC Hex value 5F)			
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: 0050
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
			PD Product Activity Data (852)			
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
			852 Product Activity Data			
M	ST02	329	Transaction Set Control Number	M	1	AN 4/9

Segment: **XQ** Reporting Date/Action
Position: 0200
Loop:
Level: Heading
Usage: Mandatory

		Max Use:	1

Max Use: 1
Purpose: To specify reporting dates, actions to be taken and an identifying number
Syntax Notes:
Semantic Notes: 1 XQ02 is the reporting date. If reporting a date range, then XQ02 is the start date and XQ03 is the end date.
  2 XQ04 is a unique report identifier assigned by the sender.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	XQ01	305	**Transaction Handling Code**	M	1	ID 1/2	
			H Notification Only				
M	XQ02	373	**Date**	M	1	DT 8/8	
			Scan date				

Segment: **N9** Extended Reference Information
Position: 0400
Loop:
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	
			VR Vendor ID Number				
	N902	127	**Reference Identification**	X	1	AN 1/50	
			Food Lion DSD vendor numbers will be 4 characters				
			Hannaford Bros DSD vendor numbers will be 7 characters				

Segment: **LIN** Item Identification
Position: 0100
Loop: LIN   Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify basic item identification data
Syntax Notes: 1 If either LIN04 or LIN05 is present, then the other is required.
  2 If either LIN06 or LIN07 is present, then the other is required.
  3 If either LIN08 or LIN09 is present, then the other is required.
  4 If either LIN10 or LIN11 is present, then the other is required.
  5 If either LIN12 or LIN13 is present, then the other is required.
  6 If either LIN14 or LIN15 is present, then the other is required.
  7 If either LIN16 or LIN17 is present, then the other is required.
  8 If either LIN18 or LIN19 is present, then the other is required.

	9	If either LIN20 or LIN21 is present, then the other is required.

9 If either LIN20 or LIN21 is present, then the other is required.
10 If either LIN22 or LIN23 is present, then the other is required.
11 If either LIN24 or LIN25 is present, then the other is required.
12 If either LIN26 or LIN27 is present, then the other is required.
13 If either LIN28 or LIN29 is present, then the other is required.
14 If either LIN30 or LIN31 is present, then the other is required.

Semantic Notes: **1** LIN01 is the line item identification
Comments: **1** See the Data Dictionary for a complete list of IDs.
2 LIN02 through LIN31 provide for fifteen different product/service IDs for 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	LIN02	235	**Product/Service ID Qualifier**	M	1	ID 2/2
			Qualifier for GTIN (Global Trade Identification Number)			
			UK	EAN/UCC - 14		
				Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)		
M	LIN03	234	**Product/Service ID**	M	1	AN 1/48
			GTIN number (Consumer Unit Only)			

Segment: **CTP** Pricing Information
Position: 0200
Loop: LIN   Optional
Level: Detail
Usage: Optional
Max Use: 25
Purpose: To specify pricing information
Syntax Notes: **1** If either CTP04 or CTP05 is present, then the other is required.
2 If CTP06 is present, then CTP07 is required.
3 If CTP09 is present, then CTP02 is required.
4 If CTP10 is present, then CTP02 is required.
5 If CTP11 is present, then CTP03 is required.
Semantic Notes: **1** CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
2 CTP08 is the rebate amount.
Comments: **1** See Figures Appendix for an example detailing the use of CTP03 and CTP04. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
	CTP02	236	**Price Identifier Code**	X	1	ID 3/3
			UCP	Unit cost price		
	CTP03	212	**Unit Price**	X	1	R 1/17
			Unit Price is numeric with 4 decimal places			

Segment: **ZA** Product Activity Reporting
Position: 0800
Loop: ZA   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1

	Purpose:	To provide activity details concerning product being reported
	Syntax Notes:	1 If either ZA02 or ZA03 is present, then the other is required.
		2 If either ZA04 or ZA05 is present, then the other is required.
		3 If either ZA06 or ZA07 is present, then the other is required.
	Semantic Notes:	1 ZA08 determines if the product activity code in ZA01 refers to a product that is categorized as In-bond merchandise. A "Y" indicates that the activity code applies to a product that is In-bond; an "N" indicates that the activity code does not refer to a product that is In-bond.
	Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name			Attributes	
M	ZA01	859	**Activity Code**	M	1	**ID 2/2**	
			Q2	Quantity Returned			
			QS	Quantity Sold			
	ZA02	380	**Quantity**	X	1	**R 1/15**	
	ZA03	355	**Unit or Basis for Measurement Code**	X	1	**ID 2/2**	
	ZA06	128	**Reference Identification Qualifier**	X	1	**ID 2/3**	
			IK	Invoice Number			
				Manufacturer's invoice number for vehicle/component			
	ZA07	127	**Reference Identification**	X	1	**AN 1/50**	
			Retailer created invoice number				

Segment:	**SDQ** Destination Quantity	
Position:	1100	
Loop:	ZA Mandatory	
Level:	Detail	
Usage:	Optional	
Max Use:	>1	
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	1	**ID 2/2**	
M	SDQ03	67	**Identification Code**	M	1	**AN 2/80**	
			Four-digit store number				
M	SDQ04	380	**Quantity**	M	1	**R 1/15**	
			Sales or Returns quantity				

	Segment:	**SE** Transaction Set Trailer
	Position:	0200
	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:	0300
	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:	0400
	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