856 Delhaize America DSD Pre-Delivery Ship Notice/Manifest

Functional Group ID=SH

Introduction:

This X12 Transaction Set contains the format and establishes the data contents of the Ship Notice/Manifest Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment.

Notes:

The Ship Notice is accepted from the vendor and used as a scheduled delivery ticket.   This process will expedite the check-in procedure at the stores.   The Ship Notice must be received at our company Headquarters through EDI no later than 2:00AM ET the day the product is scheduled for delivery in order for the Ship Notice to be used as a delivery ticket.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0150	ISA	Interchange Control Header	M	1		
M	0600	GS	Functional Group Header	M	1		
M	0100	ST	Transaction Set Header	M	1		
M	0200	BSN	Beginning Segment for Ship Notice	M	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL			200000	
M	0100	HL	Hierarchical Level - Shipment Level	M	1		c1
	0500	PRF	Purchase Order Reference	O	1		
	1500	REF	Reference Information	O	>1		
	1500	REF	Reference Information	O	>1		
	2000	DTM	Date/Time Reference	O	10		
			LOOP ID - N1			200	
	2200	N1	Party Identification - Ship To Location Information	O	1		
			LOOP ID - HL			200000	
M	0100	HL	Hierarchical Level - Item Level	M	1		
	0200	LIN	Item Identification	O	1		
	0300	SN1	Item Detail (Shipment)	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 Comments

1. The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

	Segment:		**ISA** **Interchange Control Header**			

Segment: **ISA** **Interchange Control Header**
Position: 0150
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
			Appropriate Qualifier for Trading Partner			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
M	ISA06	I06	**Interchange Sender ID**	M	1	AN 15/15
			Appropriate Sender ID for Trading Partner			
M	ISA07	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	ISA08	I07	**Interchange Receiver ID**	M	1	AN 15/15
			'5400110000009'			
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	**Interchange Usage Indicator**	M	1	ID 1/1
		P	Production Data			
M	ISA16	I15	**Component Element Separator**	M	1	AN 1/1
			':' Separator			

Segment: **GS** **Functional Group Header**
Position: 0600
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.

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Data Element Summary

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	Ref. Des.	Data Element	Name			Attributes
M	GS01	479	**Functional Identifier Code**	M	1	ID 2/2
			SH Ship Notice/Manifest (856)			
M	GS02	142	**Application Sender's Code**	M	1	AN 2/15
			Appropriate Code for Trading Partner			
M	GS03	124	**Application Receiver's Code**	M	1	AN 2/15
			'540011000DSD'			
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:

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Data Element Summary

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	Ref. Des.	Data Element	Name			Attributes
M	ST01	143	**Transaction Set Identifier Code**	M	1	ID 3/3
			856 Ship Notice/Manifest			
M	ST02	329	**Transaction Set Control Number**	M	1	AN 4/9

Segment:	**BSN** Beginning Segment for Ship Notice
Position:	0200
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1

Purpose:	To transmit identifying numbers, dates, and other basic data relating to the transaction set		
Syntax Notes:	1	If BSN07 is present, then BSN06 is required.	
Semantic Notes:	1	BSN03 is the date the shipment transaction set is created.	
	2	BSN04 is the time the shipment transaction set is created.	
	3	BSN06 is limited to shipment related codes.	
Comments:	1	BSN06 and BSN07 differentiate the functionality of use for the transaction set.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	BSN01	353	**Transaction Set Purpose Code**	M	1	**ID 2/2**
			00　　　　　Original			
M	BSN02	396	**Shipment Identification**	M	1	**AN 2/30**
M	BSN03	373	**Date**	M	1	**DT 8/8**
M	BSN04	337	**Time**	M	1	**TM 4/8**

Segment:	**HL** Hierarchical Level - Shipment Level
Position:	0100
Loop:	HL　　　　Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To identify dependencies among and the content of hierarchically related groups of data segments
Syntax Notes:	
Semantic Notes:	

Comments:	1	The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure.
	2	HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
	3	HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
	4	HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
	5	HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	HL01	628	**Hierarchical ID Number**	M	1	**AN 1/12**
M	HL03	735	**Hierarchical Level Code**	M	1	**ID 1/2**
			S　　　　　Shipment			

Segment:	**PRF** Purchase Order Reference
Position:	0500
Loop:	HL　　　　Mandatory
Level:	Detail
Usage:	Optional
Max Use:	1

Purpose:	To provide reference to a specific purchase order
Syntax Notes:	
Semantic Notes:	1	PRF04 is the date assigned by the purchaser to purchase order.
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	PRF01	324	**Purchase Order Number**	M 1 AN 1/22

CAO DSD vendors receiving purchase orders will be required to send the PO number in this element.

Segment:	**REF** Reference Information
Position:	1500
Loop:	HL Mandatory
Level:	Detail
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
			IA Internal Vendor Number	
	REF02	127	**Reference Identification**	X 1 AN 1/50

The distributor/vendor number assigned by Delhaize America.   This value can be a minimum of 4 positions to a maximum of 9 positions (alpha numeric values).

All vendors who participate in the CAO DSD program must return the Delhaize America 8-digit vendor number.

Segment:	**REF** Reference Information
Position:	1500
Loop:	HL Mandatory
Level:	Detail
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
			IV Seller's Invoice Number	

	REF02	**127**	**Reference Identification**	**X**	**1**	**AN 1/50**

Sellers Invoice number - The first 10 positions of the invoice number will be processed.

Segment: **DTM** Date/Time Reference
Position: 2000
Loop: HL   Mandatory
Level: Detail
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
			067 Current Schedule Delivery			
	DTM02	373	Date	X	1	DT 8/8

Date Product will be delivered to store

Segment: **N1** Party Identification - Ship To Location Information
Position: 2200
Loop: N1   Optional
Level: Detail
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
			ST Ship To			
	N104	67	Identification Code	X	1	AN 2/80

Four-digit store number

Note: DSD CAO vendors can return either the four-digit store number (without the zero at the beginning) or the five-digit store number (with the zero at the beginning)

Segment: **HL** Hierarchical Level - Item Level
Position: 0100
Loop: HL   Mandatory

Level:	Detail			
Usage:	Mandatory			
Max Use:	1			
Purpose:	To identify dependencies among and the content of hierarchically related groups of data segments			
Syntax Notes:				
Semantic Notes:				
Comments:	**1**	The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure.		
	2	HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.		
	3	HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.		
	4	HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.		
	5	HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	HL01	628	Hierarchical ID Number	M 1 AN 1/12
M	HL03	735	Hierarchical Level Code	M 1 ID 1/2
			I Item	

Segment:	**LIN** Item Identification	
Position:	0200	
Loop:	HL Mandatory	
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.
	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**
			UI U.P.C. Consumer Package Code (1-5-5)			
			UK GTIN 14-digit Data Structure			
			Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)			
			UP UCC - 12			
			Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)			
M	LIN03	234	**Product/Service ID**	M	1	**AN 1/48**
	LIN04	235	**Product/Service ID Qualifier**	X	1	**ID 2/2**
			UI U.P.C. Consumer Package Code (1-5-5)			
			UK GTIN 14-digit Data Structure			
			Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)			
			UP UCC - 12			
			Data structure for the 12 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Identification Number (GTIN). Also known as the Universal Product Code (U.P.C.)			
	LIN05	234	**Product/Service ID**	X	1	**AN 1/48**

Segment:	**SN1** Item Detail (Shipment)
Position:	0300
Loop:	HL Mandatory
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify line-item detail relative to shipment
Syntax Notes:	1 If either SN105 or SN106 is present, then the other is required.
Semantic Notes:	1 SN101 is the ship notice line-item identification.
	2 SN105 is quantity ordered.
Comments:	1 SN103 defines the unit of measurement for both SN102 and SN104.

Data Element Summary

	Ref. Des.	Data Element	Name			Attributes
M	SN102	382	**Number of Units Shipped**	M	1	**R 1/10**
M	SN103	355	**Unit or Basis for Measurement Code**	M	1	**ID 2/2**
			CA Case			
			EA Each			
			LB Pound			
			PG Pounds Gross			

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) |

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