

810 Delhaize America Direct Store Delivery (DSD) Invoice Version 5010

Functional Group ID=**IN**

Introduction:

The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

Notes:

The DSD Invoice is accepted from the vendor and used as a scheduled delivery ticket. This process will expedite the check-in procedure at the stores. The DSD Invoice 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 invoice to be used as a delivery ticket.

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	BIG	Beginning Segment for Invoice	M	1		
Must Use	0500	REF	Reference Information	O	1		
Must Use	0525	REF	Reference Information	O	1		
	1400	DTM	Date/Time Reference	O	10		

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>
			LOOP ID - IT1			200000	
	0100	IT1	Baseline Item Data (Invoice)	O	1		
			LOOP ID - SAC			>1	
	1800	SAC	Service, Promotion, Allowance, or Charge Information	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>
M	0100	TDS	Total Monetary Value Summary	M	1		
M	0800	SE	Transaction Set Trailer	M	1		
M	0900	GE	Functional Group Trailer	M	1		
M	1000	IEA	Interchange Control Trailer	M	1		

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 00 No Authorization Information Present (No Meaningful Information in I02)	M 1 ID 2/2
M	ISA03	I03	Security Information Qualifier 00 No Security Information Present (No Meaningful Information in I04)	M 1 ID 2/2
M	ISA05	I05	Interchange ID Qualifier Appropriate Trading Partner Qualifier	M 1 ID 2/2
M	ISA06	I06	Interchange Sender ID Appropriate Trading Partner ID	M 1 AN 15/15
M	ISA07	I05	Interchange ID Qualifier 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 1 ID 2/2
M	ISA08	I07	Interchange Receiver ID '5400110000009'	M 1 AN 15/15
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 00501 Standards Approved for Publication by ASC X12 Procedures Review Board through October 2003	M 1 ID 5/5
M	ISA13	I12	Interchange Control Number	M 1 N0 9/9
M	ISA14	I13	Acknowledgment Requested 0 No Interchange Acknowledgment Requested	M 1 ID 1/1
M	ISA15	I14	Usage Indicator P Production Data T Test Data	M 1 ID 1/1
M	ISA16	I15	Component Element Separator ' : ' Separator	M 1 AN 1/1

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.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	GS01	479	Functional Identifier Code IN Invoice Information (810)	M 1 ID 2/2
M	GS02	142	Application Sender's Code Appropriate Trading Partner Code	M 1 AN 2/15
M	GS03	124	Application Receiver's Code '540011000DSD'	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 810 Invoice	M 1 ID 3/3
M	ST02	329	Transaction Set Control Number	M 1 AN 4/9

- Segment:** **BIG** Beginning Segment for Invoice
- Position:** 0200
- Loop:**
- Level:** Heading
- Usage:** Mandatory
- Max Use:** 1

- Purpose:** To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates
- Syntax Notes:**
- Semantic Notes:**
- BIG01 is the invoice issue date.
 - BIG03 is the date assigned by the purchaser to purchase order.
 - BIG10 is the consolidated invoice number associated with the invoice identified in BIG02. When BIG07 contains code CI (Consolidated Invoice), BIG02 will contain the consolidated invoice number and BIG10 is not used.
- Comments:**
- Notes:** Credit Invoices will not be accepted and will be rejected if received.

Data Element Summary

Ref.	Data	Attributes	
<u>Des.</u>	<u>Element</u> <u>Name</u>		
M	BIG01 373 Date	M	1 DT 8/8
M	BIG02 76 Invoice Number	M	1 AN 1/22
	The first 10 positions of the invoice number will be processed.		
	BIG04 324 Purchase Order Number	O	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:** 0500
- Loop:**
- Level:** Heading
- Usage:** Optional (Must Use)
- Max Use:** 1
- Purpose:** To specify identifying information
- Syntax Notes:**
- At least one of REF02 or REF03 is required.
 - If either C04003 or C04004 is present, then the other is required.
 - If either C04005 or C04006 is present, then the other is required.
- Semantic Notes:**
- REF04 contains data relating to the value cited in REF02.
- Comments:**

Data Element Summary

Ref.	Data	Attributes	
<u>Des.</u>	<u>Element</u> <u>Name</u>		
M	REF01 128 Reference Identification Qualifier	M	1 ID 2/3
	VR Vendor ID Number		
	REF02 127 Reference Identification	X	1 AN 1/30
	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:** 0525
- Loop:**
- Level:** Heading
- Usage:** Optional (Must Use)
- Max Use:** 1
- Purpose:** To specify identifying information
- Syntax Notes:**
- At least one of REF02 or REF03 is required.
 - If either C04003 or C04004 is present, then the other is required.
 - 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

M	Ref. Des.	Data Element		Attributes
		Element	Name	
	REF01	128	Reference Identification Qualifier ST Store Number	M 1 ID 2/3
	REF02	127	Reference Identification Four-digit store number	X 1 AN 1/50

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: **DTM** Date/Time Reference
Position: 1400
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

M	Ref. Des.	Data Element		Attributes
		Element	Name	
	DTM01	374	Date/Time Qualifier 017 Estimated Delivery 067 Current Schedule Delivery	M 1 ID 3/3
	DTM02	373	Date	X 1 DT 8/8

Segment: **IT1** Baseline Item Data (Invoice)
Position: 0100
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions
Syntax Notes: 1 If any of IT102 IT103 or IT104 is present, then all are required.
 2 If either IT106 or IT107 is present, then the other is required.
 3 If either IT108 or IT109 is present, then the other is required.
 4 If either IT110 or IT111 is present, then the other is required.
 5 If either IT112 or IT113 is present, then the other is required.
 6 If either IT114 or IT115 is present, then the other is required.
 7 If either IT116 or IT117 is present, then the other is required.
 8 If either IT118 or IT119 is present, then the other is required.
 9 If either IT120 or IT121 is present, then the other is required.
 10 If either IT122 or IT123 is present, then the other is required.
 11 If either IT124 or IT125 is present, then the other is required.

Semantic Notes: 1 IT101 is the line item identification.

- Comments:**
- 1 Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
 - 2 IT106 through IT125 provide for ten 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

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
IT102	358	Quantity Invoiced	X 1 R 1/15
		The quantity is only accepted in whole numbers. Decimals or negative quantities are not accepted.	
IT103	355	Unit or Basis for Measurement Code	X 1 ID 2/2
		CA Case	
		EA Each	
IT104	212	Unit Price	X 1 R 1/17
		The unit price is the cost of the item to our company and may include up to four decimal positions. The cost should be consistent with the unit of measure (case price for case quantities and unit price for single items).	
IT106	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.)	
IT107	234	Product/Service ID	X 1 AN 1/48
IT108	235	Product/Service ID Qualifier	X 1 ID 2/2
IT109	234	Product/Service ID	X 1 AN 1/48

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

Position: 1800
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.
 - 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.

- Comments:**
- 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.
 - 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.	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
		All EDI published Standard codes for this element will be allowed.	
	SAC08	118 Rate	O 1 R 1/9
	SAC12	331 Allowance or Charge Method of Handling Code	O 1 ID 2/2
		02 Off Invoice	
		06 Charge to be Paid by Customer	

- Segment:** **TDS** Total Monetary Value Summary
- Position:** 0100
- Loop:**
- Level:** Summary
- Usage:** Mandatory
- Max Use:** 1
- Purpose:** To specify the total invoice discounts and amounts
- Syntax Notes:**
- Semantic Notes:**
- 1 TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
 - 2 TDS02 indicates the amount upon which the terms discount amount is calculated.
 - 3 TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
 - 4 TDS04 indicates the total amount of terms discount.
- Comments:**
- 1 TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	TDS01	610 Amount	M 1 N2 1/15

- Segment:** **SE** Transaction Set Trailer
- Position:** 0800
- 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.	Data		Attributes
		<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: 0900

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.	Data		Attributes
		<u>Des.</u>	<u>Element</u> <u>Name</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: 1000

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