

830 Delhaize America DC Item Forecast Planning Schedule Version 5010

Functional Group ID=**PS**

Introduction:

This X12 Transaction Set contains the format and establishes the data contents of the Planning Schedule with Release Capability Transaction Set (830) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business practice relative to the transfer of forecasting/material release information between organizations. The planning schedule transaction may be used in various ways or in a combination of ways, such as: (1) a simple forecast; (2) a forecast with the buyer's authorization for the seller to commit to resources, such as labor or material; (3) a forecast that is also used as an order release mechanism, containing such elements as resource authorizations, period-to-date cumulative quantities, and specific ship/delivery patterns for requirements that have been represented in "buckets," such as weekly, monthly, or quarterly. The order release forecast may also contain all data related to purchase orders, as required, because the order release capability eliminates the need for discrete generation of purchase orders.

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	BFR	Beginning Segment for Planning Schedule	M	1		
LOOP ID - N1						200	
Must Use	2300	N1	Party Identification	O	1		
Must Use	2350	N1	Party Identification	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>
LOOP ID - LIN						>1	
M	0100	LIN	Item Identification	M	1		
Must Use	0200	UIT	Unit Detail	O	1		
Must Use	0800	PID	Product/Item Description	O	1000		
LOOP ID - FST						>1	
Must Use	4100	FST	Forecast Schedule	O	1		n1

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>
Must Use	0100	CTT	Transaction Totals	O	1		n2
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. At least one occurrence of segment FST is required, either in the FST loop or within the SDP loop. These two loops are mutually exclusive.
2. Number of line items (CTT01) is the accumulation of the number of LIN segments. If used, hash total (CTT02) is the sum of the values of the quantities (FST01) for each FST 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:

Business Rules: Variable Name: ISA1

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</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 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	ISA06	I06	Interchange Sender ID 5400110000009	M 1 AN 15/15
M	ISA07	I05	Interchange ID Qualifier Appropriate Qualifier for Trading Partner	M 1 ID 2/2
M	ISA08	I07	Interchange Receiver ID Appropriate Receiver ID for Trading Partner	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 Symbol: ^	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	Interchange Usage Indicator P Production Data	M 1 ID 1/1
M	ISA16	I15	Component Element Separator (:) - Colon	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.

Business Rules: Variable Name: GSSG

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	GS01	479	Functional Identifier Code PS Planning Schedule with Release Capability (830)	M 1 ID 2/2
M	GS02	142	Application Sender's Code 540011000	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:

Business Rules: Variable Name: STST

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code 830 Planning Schedule with Release Capability	M 1 ID 3/3
M	ST02	329	Transaction Set Control Number	M 1 AN 4/9

Segment: **BFR** Beginning Segment for Planning Schedule

Position: 0200

Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a planning schedule transaction set; whether a ship or delivery based forecast; and related forecast envelope dates
Syntax Notes: 1 At least one of BFR02 or BFR03 is required.
Semantic Notes: 1 If BFR01 contains the value "04" (Net Change), BFR09 is required.
 2 BFR02 is the identifying number for a forecast assigned by the orderer/purchaser.
 3 BFR06 is the forecast horizon start date: The date when the forecast horizon (envelope) begins.
 4 BFR07 is the forecast horizon end date: The date when the forecast horizon (envelope) ends.
 5 BFR08 is the date forecast generated: The date the forecast data was generated.
 6 BFR09 is the date forecast updated: The date the forecast was updated with "net change" data. (Used only when data element 353 in BFR01 contains the value "04", meaning net change.)

Comments:

Data Element Summary

Ref.	Data Element	Name	Attributes		
			M	1	ID 2/2
M	BFR01	353 Transaction Set Purpose Code 00 Original	M	1	ID 2/2
	BFR02	127 Reference Identification XX	X	1	AN 1/50
M	BFR04	675 Schedule Type Qualifier DL Delivery Based	M	1	ID 2/2
M	BFR05	676 Schedule Quantity Qualifier A Actual Discrete Quantities	M	1	ID 1/1
M	BFR06	373 Date Starting Date for the Forecast	M	1	DT 8/8
	BFR07	373 Date Ending Date for the Forecast	O	1	DT 8/8
M	BFR08	373 Date Date Forecast Generated	M	1	DT 8/8

Segment: **N1** Party Identification
Position: 2300
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.	Data Element	Name	Attributes		
			M	1	ID 2/3
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

Segment:	N1 Party Identification
Position:	2350
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:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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	Attributes
<u>Des.</u>	<u>Element</u> <u>Name</u>	
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 Delhaize America Assigned Vendor Number	X 1 AN 2/80

Segment:	LIN Item Identification
Position:	0100
Loop:	LIN Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To specify basic item identification data
Syntax Notes:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	LIN02	235	Product/Service ID Qualifier UA U.P.C./EAN Case Code (2-5-5) UK GTIN 14-digit Data Structure Data structure for the 14 digit EAN.UCC (EAN International.Uniform Code Council) Global Trade Item Number (GTIN)	M 1 ID 2/2
M	LIN03	234	Product/Service ID	M 1 AN 1/48
	LIN04	235	Product/Service ID Qualifier UI U.P.C. Consumer Package Code (1-5-5)	X 1 ID 2/2
	LIN05	234	Product/Service ID	X 1 AN 1/48

Segment: **UIT** Unit Detail
Position: 0200
Loop: LIN Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify item unit data
Syntax Notes: 1 If UIT03 is present, then UIT02 is required.
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	UIT01	C001	Composite Unit of Measure	M 1
M	C00101	355	Unit or Basis for Measurement Code CA Case	M ID 2/2

Segment: **PID** Product/Item Description
Position: 0800
Loop: LIN Mandatory
Level: Detail
Usage: Optional (Must Use)
Max Use: 1000
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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PID01	349	Item Description Type F Free-form	M 1 ID 1/1
Must Use	PID05	352	Description	X 1 AN 1/80

Segment: **FST** Forecast Schedule

Position: 4100

Loop: FST Optional (Must Use)

Level: Detail

Usage: Optional (Must Use)

Max Use: 1

Purpose: To specify the forecasted dates and quantities

- Syntax Notes:**
- 1 If either FST06 or FST07 is present, then the other is required.
 - 2 If either FST08 or FST09 is present, then the other is required.
 - 3 If FST13 is present, then FST12 is required.

Semantic Notes:

- 1 If FST03 equals "F" (indicating flexible interval), then FST04 and FST05 are required. FST04 would be used for the start date of the flexible interval and FST05 would be used for the end date of the flexible interval.
If FST03 equals "B" (indicating shipping/delivery), then FST04 and FST05 are required. The FST04 will represent the shipping date, and the FST05 will represent the delivery date.

- Comments:**
- 2 FST11 is used to qualify further the forecast quantity in FST01.
 - 3 FST13 is used to clarify further the adjustment reason specified in FST12.
 - 1 As qualified by FST02 and FST03, FST04 represents either a discrete forecast date, the first date of a forecasted bucket (weekly, monthly, quarterly, etc.) or the start date of a flexible interval.
 - 2 FST06 qualifies the time in FST07. The purpose of the FST07 element is to express the specific time of day in a 24-hour clock to satisfy "just-in-time" requirements. As an alternative, the ship/delivery pattern segment (SDP) may be used to define an approximate time, such as a.m. or p.m.
 - 3 FST11, FST12 and FST13 may be used only when FST02 contains code D (Planning).

Notes: Vendors will receive 26 iterations per line item for 26 weeks of forecast data.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	FST01	380	Quantity Quantity for the week	M 1 R 1/15
M	FST02	680	Forecast Qualifier B Pilot/Prevolume D Planning	M 1 ID 1/1
M	FST03	681	Timing Qualifier F Flexible Interval (from Date X through Date Y) X Weekly Bucket (7 day interval)	M 1 ID 1/1
M	FST04	373	Date Starting Date for the Forecast	M 1 DT 8/8
	FST05	373	Date Ending Date for the Forecast	O 1 DT 8/8

Segment: **CTT** Transaction Totals

Position: 0100

Loop:

Level: Summary

Usage: Optional (Must Use)

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.	Data Element	Name	Attributes
M	CTT01	354 Number of Line Items	M 1 N0 1/6

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