

**++810 Grocery Products Invoice Transaction Set  
( Version 004010UCS ) Segment Specifications  
DIRECT STORE DELIVERY ( DSD )VERSION**

**HEADER CONTROL SEGMENTS**

**ISA- TRANSMISSION CONTROL HEADER:**

**MANDATORY**

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/ Min/Max Length</i>
ISA01	Authorization Information Qualifier	'00'	M 2/2
ISA02	Authorization Information	Blank	M 10/10
ISA03	Security Information Qualifier	'00'	M 2/2
ISA04	Security Information	Blank	M 10/10
ISA05	Interchange ID Qualifier	Vendor's Interchange ID Qualifier	M 2/2
ISA06	Interchange Sender ID	Vendor's Interchange ID	M 15/15
ISA07	Interchange ID Qualifier	'08'	M 2/2
ISA08	Interchange Receiver ID	(A&P's Comm ID) Prod: 9258390000 Test: 925839TEST	M 15/15
ISA09	Interchange Date	Date Interchange was generated	M 6/6
ISA10	Interchange Time	Time Interchange was generated	M 4/4
ISA11	Interchange Control Standards Identifier	'U'	M 1/1
ISA12	Interchange Control Version Number	'00401'	M 5/5
ISA13	Interchange Control Number	Envelope Reference Number	M 9/9
ISA14	Acknowledge Requested	'0'(Not Requested)	M 1/1
ISA15	Test Indicator	'P' (Production) or 'T' (Test)	M 1/1
ISA16	Sub-element Separator	'>' ('Greater Than' Sign)	M 1/1

**GS - FUNCTIONAL GROUP HEADER:**

**MANDATORY**

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/ Min/Max Length</i>
GS01	Functional ID Code	'IN'	M 2/2
GS02	Application Sender's Code	Vendor's Sender Code	M 2/15
GS03	Application Receiver's Code	(A&P's Number) Prod: 2015739700 Test: 925839TEST	M 2/15
GS04	Date	Date Group was generated	M 8/8
GS05	Time	Time Group was generated	M 4/8
GS06	Group Control Number	Group Reference Number	M 1/9
GS07	Responsible Agency Code	'T'	M 1/1
GS08	Version/Release/Industry ID Code	'004010UCS'	M 1/12

**HEADER CONTROL SEGMENTS (Continued)**

**ST - TRANSACTION SET HEADER:**

**MANDATORY**

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/ Min/Max Length</i>
ST01	Transaction set ID Code	'810' (Invoice)	M 3/3
ST02	Transaction set Control Number	Transaction Reference Number	M 4/9

**BIG – BEGINNING SEGMENT FOR INVOICE:**

**MANDATORY**

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/ Min/Max Length</i>
BIG01	Delivery Date	Date of Delivery or Credit: CCYYMMDD	M 8/8
BIG02	Delivery Number	Seller's Credit Number or Seller's Debit (Delivery/Invoice) Number	M 1/22

**\* REF - REFERENCE IDENTIFICATION:**

**OPTIONAL**

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/ Min/Max Length</i>
**REF01	Reference ID Qualifier	'AD' (Acceptable Source Duns)	M 1/3
**REF02	Reference ID Number	Vendor 9 digit DUN & Bradstreet Number + 4 digit Group Code  Values: (8900) = 'Conventional' includes: Metro NY & NJ - A&P, NY – Waldbaums, New England – Food Mart, Mid-Atlantic – Super Fresh, PA – Super Fresh  (3800) = Food Basics USA (8300) = Food Emporium (5000) = Liquor (8400) = Pathmark	C 1/30

**\* This segment is optional per standards, but mandatory for A&P.**

**\*\* A&P accepts the specified values only.**

**N1- NAME:**

**MANDATORY**

**LOOP ID N1**

<i>Element Number</i>	<i>Description</i>	<i>Value</i>	<i>Requirement/ Min/Max Length</i>
**N101	Entity ID Code	'ST' (Ship To)	M 2/3
N102	Name	Bannerr Name:  VALUE: A&P / Metro NY, NJ & CT , Waldbaum , Super Fresh PA, Super Fresh Mid-Atlantic, Food Basics USA, Food Emporium, Pathmark, Liquor	C 1/60
**N103	ID Code Qualifier	'91' ('93' for Haddon House)	C 1/ 2
**N104	ID Code	Six Digit Division / Store Number. A&P Div= 3 positions A&P Store Number = 3 positions Division is always 2 digits. Please pad	C 2/80

		<p>with leading 0. Store number can be 1 to 3 digits. Please pad with leading 0(s) where necessary. Example: Division 32, store 3 would be 032003.</p> <p>Haddon House – 4 digit RETEK number site ID.</p>	
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**\*\* A&P accepts the specified values only.**

**TRANSACTION DETAIL SEGMENTS**

**IT1 - BASELINE ITEM DATA:**

**MANDATORY**

**LOOP ID IT1**

<b>Element Number</b>	<b>Description</b>	<b>Value</b>	<b>Requirement/Min/Max Length</b>
**IT102	Quantity Invoiced	Quantity Invoiced Positive for Debit Negative (-) for Credit	C 1/10 (R3 – Explicit Decimal).
**IT103	Unit or Basis for Measurement Code	'CA' (Case), 'EA' (Each),	C 2/2
**IT104	Unit Price / AWP (average wholesale price)	Price Per Unit Positive for Debit Negative (-) for Credit	C 1/17 (R4 – Explicit Decimal).
**IT106	Product/Service ID Qualifier	'UD',	C 2/2
**IT107	Product/Service ID	UPC Package Code: 'UD'= UPC/EAN Pkg Code 2-5-5	C 12/12

**\*\* Mandatory elements for A&P.**

**\*\*When indicating a credit, use a (-) sign in either the IT102 or the IT104 not both.**

**CTP – PRICING INFORMATION:**

**OPTIONAL**

**LOOP ID IT1**

<b>Element Number</b>	<b>Description</b>	<b>Value</b>	<b>Requirement/Min/Max Length</b>
CTP02	Price Identifier Code	'LPR' (List Price) 'RTL' (Retail)	C 3/3
CTP03	Unit Price	Price per unit of product, service, commodity, etc.	C 1/17

**\*\* There should be two iterations for each IT1, using the price identifier code in the CTP02 element and the unit price in the CTP03 element. The two CTP02 codes should be, LPR (list price), and RTL (retail).**

**PID - PRODUCT/ITEM DESCRIPTION:**

**MANDATORY**

**LOOP ID IT1/PID**

<b>Element Number</b>	<b>Description</b>	<b>Value</b>	<b>Requirement/Min/Max Length</b>
PID01	Item/Description Type	'F' (Free Form)	M 1/1
PID02	Product/Process Characteristic Code	'08' (Product)	O 2/3
**PID05	Description	Description	C 1/80

**\*\*Mandatory element for A&P.**

**TRANSACTION DETAIL SEGMENTS (Continued)**

**SAC - ALLOWANCE, CHARGE: OPTIONAL**

**LOOP ID IT1/SAC**

<b>Element Number</b>	<b>Description</b>	<b>Value</b>	<b>Requirement/Min/Max Length</b>
SAC01	Allowance/Charge Indicator	'A' (Allowance), 'C' (Charge), 'N' (No Allowance or Charge)	M 1/1
SAC02	Allowance/Charge Code	Allowance/Charge Code	C 4/4
SAC05	Amount	Amount of Allowance or Charge	O 1/15 (N2 -Implied Decimal).
SAC06	Allowance/Charge Percent Qualifier	'1' (Item List Cost), '2' (Item Net Cost), '3' (Discount Off Gross), '4' (Discount Off Net)	C 1/1
SAC07	Percent	Percent	C 1/6
SAC08	Allowance/Charge Rate	Percent Rate Per Unit	O 1/9
SAC09	Unit or Basis for Measure Code	'CA' (Case), 'EA' (Each),	C 2/2
SAC10	Allowance/Charge Quantity	Quantity Base for Allowance/Charge	C 1/15
SAC12	Allowance/Charge Method Code	'01' (Billback), '02' (Off Invoice), '06' (Charge Customer)	O 2/2
SAC13	Reference Identification	Reference Identification	C 1/30
SAC15	Free Form Description	Allowance/Charge Description	C 1/80
SAC16	Language Code	Language Code	O 2/3

**TRANSACTION SUMMARY SEGMENTS**

**TDS - TOTAL MONETARY VALUE:**

**MANDATORY**

<b>Element Number</b>	<b>Description</b>	<b>Value</b>	<b>Requirement/Min/Max Length</b>
TDS01	Amount	Amount of NET Invoice (including charges, less allowances, before terms) Positive for Debit Negative (-) for Credit	M 1/15 (N2 -Implied Decimal).

**TRANSACTION SUMMARY SEGMENTS (Continued)**

**SAC – SERVICE, PROMOTION, ALLOWANCE OR CHARGE INFORMATION: OPTIONAL**

<b>Element Number</b>	<b>Description</b>	<b>Value</b>	<b>Requirement/Min/Max Length</b>
SAC01	Allowance/Charge Indicator	'A' (Allowance), 'C' (Charge), 'N' (No Allowance or Charge)	M / ID 1/1
SAC02	Allowance/Charge Code	Allowance/Charge Code	C / ID / R0203 4/4
SAC05	Amount	Amount of Allowance or Charge	O (N2 -Implied Decimal). 1/15
SAC06	Allowance/Charge Percent Qualifier	'1' (Item List Cost), '2' (Item Net Cost), '3' (Discount Off Gross), '4' (Discount Off Net)	C / ID / P0607 1/1
SAC07	Allowance/Charge Percent	Percent	C / R3 (Decimal Required) / P0607 1/6
SAC08	Allowance/Charge Rate	Percent Rate Per Unit	O / R4 (Decimal Required) 1/9
SAC09	Unit or Basis for Measure Code	'CA' (Case), 'EA' (Each),	C / ID / P0910 2/2
SAC10	Allowance/Charge Quantity	Quantity Base for Allowance/Charge	C / R3 / P0910 / 1/15

**ISS - INVOICE SHIPMENT SUMMARY: MANDATORY LOOP ID ISS**

<b>Element Number</b>	<b>Description</b>	<b>Value</b>	<b>Requirement/Min/Max Length</b>
ISS01	Number of Units Shipped	Number of Units Shipped	C 1/10
ISS02	Unit or Basis for Measurement Code	'CA' (Case), 'EA' (Each),	C 2/2

**TRAILER CONTROL SEGMENTS**

**SE - TRANSACTION SET TRAILER: MANDATORY**

<b>Element Number</b>	<b>Description</b>	<b>Value</b>	<b>Requirement/Min/Max Length</b>
SE01	Number of included Segments	Number of Segments Included in the Transaction	M 1/10
SE02	Transaction Set Control Number	Marks the End of the Transaction	M 4/9

**GE - FUNCTIONAL GROUP TRAILER: MANDATORY**

<b>Element Number</b>	<b>Description</b>	<b>Value</b>	<b>Requirement/Min/Max Length</b>
GE01	Number of transaction sets	Number of transactions included in the group.	M 1/6
GE02	Group Control Number	Marks the End of the Group	M 1/9

**IEA - INTERCHANGE CONTROL TRAILER:****MANDATORY**

<b><i>Element Number</i></b>	<b><i>Description</i></b>	<b><i>Value</i></b>	<b><i>Requirement/Min/Max Length</i></b>
<i>IEA01</i>	<i>Number of functional groups</i>	<i>Number of Groups Included in the Interchange.</i>	<i>M 1/5</i>
<i>IEA02</i>	<i>Interchange Control Number</i>	<i>Marks the End of the Interchange</i>	<i>M 9/9</i>