

Sprouts Farmers Market - Stores 810 Invoice

X12/V5010/810: 810 Invoice

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810 Invoice

Functional Group=IN

Purpose: This X12 Transaction Set contains the format and establishes the data contents of the Invoice Transaction Set (810) 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 and industry practice relative to the billing for goods and services provided.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ST	Transaction Set Header	M	1			Must use
0200	BIG	Beginning Segment for Invoice	M	1			Must use
0500	REF	Reference Information	M	4			Must use
0600	PER	Administrative Communications Contact	O	1			Used
LOOP ID - N1					<u>2</u>		
0700	N1	Party Identification	M	1			Must use
0900	N3	Party Location	O	2			Used
1000	N4	Geographic Location	O	1			Used
1300	ITD	Terms of Sale/Deferred Terms of Sale	O	1			Used
1400	DTM	Date/Time Reference	M	1			Must use
LOOP ID - N9					<u>1</u>		
2400	N9	Extended Reference Information	M	1			Must use
2500	MSG	Message Text	M	1			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - IT1					<u>200000</u>		
0100	IT1	Baseline Item Data (Invoice)	M	1			Must use
0300	IT3	Additional Item Data	C	5			Used
0500	CTP	Pricing Information	O	25			Used
LOOP ID - PID					<u>7</u>		
0600	PID	Product/Item Description	M	1			Must use
1000	PO4	Item Physical Details	M	1			Must use
LOOP ID - SAC					<u>25</u>		
1800	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	TDS	Total Monetary Value Summary	M	1			Must use
0300	CAD	Carrier Details	O	1			Used

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - SAC					25		
0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
0700	CTT	Transaction Totals	O	1		N3/0700	Used
0800	SE	Transaction Set Trailer	M	1			Must use

Notes:

3/0700 Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used CTT02 is the hash total of the quantities invoiced (IT102) for each IT1 segment.

General Usage:

Invoice (810)– Sprouts Farmers Market - Stores is requiring suppliers to provide electronic Invoices for all orders shipped. This information will be used to automate the receipt of invoices, use the three way matching functionality against the Inventory receipt and Purchase order and apply the invoice into their accounts payable system for timely payments to the suppliers. The suppliers are to create one debit invoice per single PO.

Change History:

01/09/2018

- Added PO402, PO403 elements.

06/12/2018

- Updated the N1 loop to be mandatory. Both the RI and ST addresses must be provided.

06/20/2018

- Added SAC02 code of H625 at header and line item level.

07/02/2018

-Added SAC qualifier of C110 at header and line item level.

- Added SAC12 qualifier of 06 at header and line item level.

07/09/2018

- Added SAC02 qualifiers of H700, H730, H740, H750, H770, H790, H806 at both the header and line item level.

08/10/2018

- Added PO4 segment as mandatory. The pack value must be provided.

10/24/2018

- Updated N104 to be mandatory when N101 = ST

07/14/2020

- Removed H625 as an allowed SAC02 value at the summary level.

- Removed D240, D270, D500, H090 as allowed SAC02 values at the detail level.

10/01/2020

- Added user note to PO401 and PO402: Must be greater than 0

07/29/2022:

-Added PD as valid header-level REF01 code, allowing for 4 repetitions

-Removed 9 as valid N103 code

ST Transaction Set Header

Pos: 0100	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To indicate the start of a transaction set and to assign a control number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set

CodeList Summary (Total Codes: 318, Included: 1)

Code Name

810 Invoice

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Semantics:

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.

BIG Beginning Segment for Invoice

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

User Option (Usage): Must use

Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BIG01	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year						
User Note 1: <i>Invoice Date</i>						
BIG02	76	Invoice Number	M	AN	1/22	Must use
Description: Identifying number assigned by issuer						
BIG03	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year						
User Note 1: <i>Purchase Order Date</i>						
BIG04	324	Purchase Order Number	M	AN	1/22	Must use
Description: Identifying number for Purchase Order assigned by the orderer/purchaser						
User Note 1: <i>If there is no originating Order Number, a Sprouts contract, ticket or account number must be present.</i>						
BIG07	640	Transaction Type Code	M	ID	2/2	Must use
Description: Code specifying the type of transaction						
CodeList Summary (Total Codes: 534, Included: 1)						
<u>Code</u> <u>Name</u>						
DI Debit Invoice						

Semantics:

- 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:

- BIG07 is used only to further define the type of invoice when needed.

REF Reference Information

Pos: 0500	Max: 4
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1731, Included: 6)

Code Name

11 Account Number

User Note 1:

Vendor assigned Account Number - the account number should be included if provided on the Purchase Order

2I Tracking Number

BM Bill of Lading Number

CN Carrier's Reference Number (PRO/Invoice)

IA Internal Vendor Number

User Note 1:

Sprouts assigned Vendor ID - Mandatory

PD Promotion/Deal Number

User Note 1:

The promotional/deal number should be included if provided on the Purchase Order

REF02	127	Reference Identification	M	AN	1/50	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

PER Administrative Communications Contact

Pos: 0600	Max: 1
Heading - Optional	
Loop: N/A	Elements: 6

User Option (Usage): Used

Purpose: To identify a person or office to whom administrative communications should be directed

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	Contact Function Code	M	ID	2/2	Must use
		Description: Code identifying the major duty or responsibility of the person or group named CodeList Summary (Total Codes: 238, Included: 1) <u>Code</u> <u>Name</u> IC Information Contact				
PER02	93	Name	O	AN	1/60	Used
		Description: Free-form name				
PER03	365	Communication Number Qualifier	O	ID	2/2	Used
		Description: Code identifying the type of communication number CodeList Summary (Total Codes: 42, Included: 2) <u>Code</u> <u>Name</u> EM Electronic Mail TE Telephone				
PER04	364	Communication Number	O	AN	1/256	Used
		Description: Complete communications number including country or area code when applicable				
PER05	365	Communication Number Qualifier	O	ID	2/2	Used
		Description: Code identifying the type of communication number CodeList Summary (Total Codes: 42, Included: 2) <u>Code</u> <u>Name</u> EM Electronic Mail TE Telephone				
PER06	364	Communication Number	O	AN	1/256	Used
		Description: Complete communications number including country or area code when applicable				

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

Loop Party Identification

Pos: 0700	Repeat: 2
Mandatory	
Loop: N1	Elements: N/A

User Option (Usage): Must use

Purpose: To identify a party by type of organization, name, and code

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0700	N1	Party Identification	M	1		Must use
0900	N3	Party Location	O	2		Used
1000	N4	Geographic Location	O	1		Used

User Note 1:

Two iterations of the N1 loop must be sent, for both the Remit To and Ship To addresses.

N1 Party Identification

Pos: 0700	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

User Option (Usage): Must use

Purpose: To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	Entity Identifier Code	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual

CodeList Summary (Total Codes: 1500, Included: 2)

Code Name

RI Remit To

User Note 1:

Mandatory

ST Ship To

User Note 1:

Mandatory

N102	93	Name	X	AN	1/60	Used
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Description: Free-form name

N103	66	Identification Code Qualifier	X	ID	1/2	Used
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Description: Code designating the system/method of code structure used for Identification Code (67)

CodeList Summary (Total Codes: 241, Included: 1)

Code Name

92 Assigned by Buyer or Buyer's Agent

N104	67	Identification Code	X	AN	2/80	Used
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Description: Code identifying a party or other code

User Note 1: When sent, N104 should match the value provided on the Purchase Order/Purchase Order Change. For Sprouts Farmers Market store numbers that contain less than 4 digits, the store number should be sent with leading zero(s) to populate a 4 digit value.

Example: Store 657 should be sent as 0657

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

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.

User Note 1:

N104 is required when N101 = ST.

The Ship To location code from the Purchase Order must be returned.

N3 Party Location

Pos: 0900	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used
Purpose: To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	Address Information	M	AN	1/55	Must use
		Description: Address information				
N302	166	Address Information	O	AN	1/55	Used
		Description: Address information				

N4 Geographic Location

Pos: 1000	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	M	AN	2/30	Must use
		Description: Free-form text for city name				
N402	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	M	ID	3/15	Must use
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

ITD Terms of Sale/Deferred Terms of Sale

Pos: 1300	Max: 1
Heading - Optional	
Loop: N/A	Elements: 8

User Option (Usage): Used

Purpose: To specify terms of sale

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD02	333	Terms Basis Date Code	O	ID	1/2	Used

Description: Code identifying the beginning of the terms period

CodeList Summary (Total Codes: 17, Included: 3)

Code Name

1	Ship Date
3	Invoice Date
15	Receipt of Goods

ITD03	338	Terms Discount Percent	O	R	1/6	Used
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Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date

ITD04	370	Terms Discount Due Date	X	DT	8/8	Used
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Description: Date payment is due if discount is to be earned expressed in format CCYYMMDD where CC represents the first two digits of the calendar year

ITD05	351	Terms Discount Days Due	X	N0	1/3	Used
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Description: Number of days in the terms discount period by which payment is due if terms discount is earned

ITD06	446	Terms Net Due Date	O	DT	8/8	Used
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Description: Date when total invoice amount becomes due expressed in format CCYYMMDD where CC represents the first two digits of the calendar year

ITD07	386	Terms Net Days	O	N0	1/3	Used
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Description: Number of days until total invoice amount is due (discount not applicable)

ITD08	362	Terms Discount Amount	O	N2	1/10	Used
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Description: Total amount of terms discount

ITD12	352	Description	O	AN	1/80	Used
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Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

1. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
2. L08040513 - If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
3. L091011 - If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantics:

1. ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments:

1. If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

DTM Date/Time Reference

Pos: 1400	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use

Description: Code specifying type of date or time, or both date and time

CodeList Summary (Total Codes: 1280, Included: 1)

Code Name

011 Shipped

User Note 1:

Mandatory

DTM02	373	Date	M	DT	8/8	Must use
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Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

Loop Extended Reference Information

Pos: 2400Repeat: 1
Conditional
Loop: N9Elements: N/A

User Option (Usage): Used
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
2400	N9	Extended Reference Information	M	1		Must use
2500	MSG	Message Text	M	1		Must use

N9 Extended Reference Information

Pos: 2400	Max: 1
Heading - Mandatory	
Loop: N9	Elements: 2

User Option (Usage): Must use

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1731, Included: 1)

Code Name

L1 Letters or Notes

N902	127	Reference Identification	M	AN	1/50	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

User Note 1:

N902 must contain the following 3 character code to identify the type of note to follow in MSG01.

GEN: General Note

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

MSG Message Text

Pos: 2500	Max: 1
Heading - Mandatory	
Loop: N9	Elements: 1

User Option (Usage): Must use

Purpose: To provide a free-form format that allows the transmission of text information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MSG01	933	Free-form Message Text	M	AN	1/264	Must use

Description: Free-form message text

User Note 1:

If N902 =

. GEN - MSG01 is a General Note

Syntax Rules:

1. C0302 - If MSG03 is present, then MSG02 is required.

Semantics:

1. MSG03 is the number of lines to advance before printing.

Comments:

1. MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
2. If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

Loop Baseline Item Data (Invoice)

Pos: 0100	Repeat: 200000
Mandatory	
Loop: IT1	Elements: N/A

User Option (Usage): Must use

Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0100	IT1	Baseline Item Data (Invoice)	M	1		Must use
0300	IT3	Additional Item Data	C	5		Used
0500	CTP	Pricing Information	O	25		Used
0600		Loop PID	M		7	Must use
1000	PO4	Item Physical Details	M	1		Must use
1800		Loop SAC	O		25	Used

IT1 Baseline Item Data (Invoice)

Pos: 0100	Max: 1
Detail - Mandatory	
Loop: IT1	Elements: 10

User Option (Usage): Must use

Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IT101	350	Assigned Identification	O	AN	1/20	Used
		Description: Alphanumeric characters assigned for differentiation within a transaction set				
IT102	358	Quantity Invoiced	M	R	1/15	Must use
		Description: Number of units invoiced (supplier units)				
IT103	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		CodeList Summary (Total Codes: 844, Included: 3)				
		<u>Code</u>	<u>Name</u>			
		CA	Case			
		EA	Each			
		LB	Pound			
IT104	212	Unit Price	M	R	1/17	Must use
		Description: Price per unit of product, service, commodity, etc.				
IT106	235	Product/Service ID Qualifier	M	ID	2/2	Must use
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		User Note 1: Vendor must include all item identifiers that were present on the Purchase Order				
		CodeList Summary (Total Codes: 519, Included: 3)				
		<u>Code</u>	<u>Name</u>			
		UK	GTIN 14-digit Data Structure			
		UP	UCC - 12			
			User Note 1:			
			Must be 1-5-5-1 format			
		VN	Vendor's (Seller's) Item Number			
IT107	234	Product/Service ID	M	AN	1/48	Must use
		Description: Identifying number for a product or service				
IT108	235	Product/Service ID Qualifier	O	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		User Note 1: Vendor must include all item identifiers that were present on the Purchase Order				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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CodeList Summary (Total Codes: 519, Included: 3)

Code Name

UK GTIN 14-digit Data Structure

UP UCC - 12

VN Vendor's (Seller's) Item Number

IT109	234	Product/Service ID	O	AN	1/48	Used
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Description: Identifying number for a product or service

IT110	235	Product/Service ID Qualifier	O	ID	2/2	Used
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User Note 1: Vendor must include all item identifiers that were present on the Purchase Order

CodeList Summary (Total Codes: 519, Included: 3)

Code Name

UK GTIN 14-digit Data Structure

UP UCC

VN Vendor's (Seller's) Item Number

IT111	234	Product/Service ID	O	AN	1/48	Used
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Description: Identifying number for a product or service

Syntax Rules:

1. P020304 - If either IT102, IT103 or IT104 are present, then the others are required.
2. P0607 - If either IT106 or IT107 is present, then the other is required.
3. P0809 - If either IT108 or IT109 is present, then the other is required.
4. P1011 - If either IT110 or IT111 is present, then the other is required.
5. P1213 - If either IT112 or IT113 is present, then the other is required.
6. P1415 - If either IT114 or IT115 is present, then the other is required.
7. P1617 - If either IT116 or IT117 is present, then the other is required.
8. P1819 - If either IT118 or IT119 is present, then the other is required.
9. P2021 - If either IT120 or IT121 is present, then the other is required.
10. P2223 - If either IT122 or IT123 is present, then the other is required.
11. P2425 - If either IT124 or IT125 is present, then the other is required.

Semantics:

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.

User Note 1:

Vendor must include all item identifiers that were present on the Purchase Order

IT3 Additional Item Data

Pos: 0300	Max: 5
Detail - Conditional	
Loop: IT1	Elements: 2

User Option (Usage): Used

Purpose: To specify additional item details relating to variations between ordered and shipped quantities, or to specify alternate units of measures and quantities

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IT301	382	Number of Units Shipped	M	R	1/10	Must use

Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set

IT302	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
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Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

CodeList Summary (Total Codes: 844, Included: 2)

Code Name

CA Case

EA Each

Syntax Rules:

1. P0102 - If either IT301 or IT302 is present, then the other is required.
2. R01030405 - At least one of IT301, IT303, IT304 or IT305 is required.

User Note 1:

If the IT103 Invoice Quantity = LB, then the IT3 segment is required to provide the shipping units.

CTP Pricing Information

Pos: 0500	Max: 25
Detail - Optional	
Loop: IT1	Elements: 1

User Option (Usage): Used

Purpose: To specify pricing information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTP08	782	Monetary Amount	M	R	1/18	Must use

Description: Monetary amount

User Note 1: *Extended item total IT102 * IT104*

Syntax Rules:

1. P0405 - If either CTP04 or CTP05 is present, then the other is required.
2. C0607 - If CTP06 is present, then CTP07 is required.
3. C0902 - If CTP09 is present, then CTP02 is required.
4. C1002 - If CTP10 is present, then CTP02 is required.
5. C1103 - If CTP11 is present, then CTP03 is required.

Semantics:

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.
2. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Loop Product/Item Description

Pos: 0600	Repeat: 7
Mandatory	
Loop: PID	Elements: N/A

User Option (Usage): Must use
Purpose: To describe a product or process in coded or free-form format

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0600	PID	Product/Item Description	M	1		Must use

User Note 1:

One iteration of the PID for the Product Description (PID05, when PID01=F and PID02=08) is required. The Product Description can repeat (up to 5 iterations) if needed.

PID Product/Item Description

Pos: 0600	Max: 1
Detail - Mandatory	
Loop: PID	Elements: 3

User Option (Usage): Must use

Purpose: To describe a product or process in coded or free-form format

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
PID01	349	Item Description Type	M	ID	1/1	Must use				
Description: Code indicating the format of a description										
CodeList Summary (Total Codes: 3, Included: 1)										
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>F</td><td>Free-form</td></tr></table>							<u>Code</u>	<u>Name</u>	F	Free-form
<u>Code</u>	<u>Name</u>									
F	Free-form									
PID02	750	Product/Process Characteristic Code	M	ID	2/3	Must use				
Description: Code identifying the general class of a product or process characteristic										
CodeList Summary (Total Codes: 238, Included: 1)										
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>08</td><td>Product</td></tr></table>							<u>Code</u>	<u>Name</u>	08	Product
<u>Code</u>	<u>Name</u>									
08	Product									
PID05	352	Description	M	AN	1/80	Must use				
Description: A free-form description to clarify the related data elements and their content										

Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then PID05 is required.

Semantics:

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.

PO4 Item Physical Details

Pos: 1000	Max: 1
Detail - Mandatory	
Loop: IT1	Elements: 3

User Option (Usage): Must use

Purpose: To specify the physical qualities, packaging, weights, and dimensions relating to the item

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>										
PO401	356	Pack	M	N0	1/6	Must use										
Description: The number of inner containers, or number of eaches if there are no inner containers, per outer container																
User Note 1: Must be greater than 0																
PO402	357	Size	X	R	1/8	Used										
Description: Size of supplier units in pack																
User Note 1: Must be greater than 0																
PO403	355	Unit or Basis for Measurement Code	X	ID	2/2	Used										
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken																
CodeList Summary (Total Codes: 844, Included: 4)																
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>GA</td><td>Gallon</td></tr><tr><td>LB</td><td>Pound</td></tr><tr><td>LT</td><td>Liter</td></tr><tr><td>OZ</td><td>Ounce - Av</td></tr></table>							<u>Code</u>	<u>Name</u>	GA	Gallon	LB	Pound	LT	Liter	OZ	Ounce - Av
<u>Code</u>	<u>Name</u>															
GA	Gallon															
LB	Pound															
LT	Liter															
OZ	Ounce - Av															

Syntax Rules:

1. P0203 - If either PO402 or PO403 is present, then the other is required.
2. C0506 - If PO405 is present, then PO406 is required.
3. P0607 - If either PO406 or PO407 is present, then the other is required.
4. P0809 - If either PO408 or PO409 is present, then the other is required.
5. C1013 - If PO410 is present, then PO413 is required.
6. C1113 - If PO411 is present, then PO413 is required.
7. C1213 - If PO412 is present, then PO413 is required.
8. L13101112 - If PO413 is present, then at least one of PO410, PO411 or PO412 is required.
9. C1716 - If PO417 is present, then PO416 is required.
10. C1804 - If PO418 is present, then PO404 is required.

Semantics:

1. PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
2. PO416 is the package identifier or the beginning package identifier in a range of identifiers.
3. PO417 is the ending package identifier in a range of identifiers.
4. PO418 is the number of packages in this layer.

Comments:

1. PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the unit of measure of the "Size" identified in the PO402. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
2. PO413 defines the unit of measure for PO410, PO411, and PO412.

Loop Service, Promotion, Allowance, or Charge Information

Pos: 1800 Repeat: 25
Optional
Loop: SAC Elements: N/A

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
1800	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 1800 Max: 1
Detail - Optional
Loop: SAC Elements: 7

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use

Description: Code which indicates an allowance or charge for the service specified

CodeList Summary (Total Codes: 7, Included: 2)

Code Name

A Allowance
C Charge

SAC02	1300	Service, Promotion, Allowance, or Charge Code	M	ID	4/4	Must use
-------	------	---	---	----	-----	----------

Description: Code identifying the service, promotion, allowance, or charge

CodeList Summary (Total Codes: 1090, Included: 14)

Code Name

C110 Deposit

User Note 1:

Used for bottle deposit.

C310 Discount
D080 Floor Stock Protection
F280 Performance Allowance
F670 Price and Marketing Allowance

User Note 1:

Used as an allowance and/or charge, depending on the code sent in SAC01

H560 Swell
H625 Tax - Beverage Tax
H700 Tax - Local Tax
H730 Tax - Local Sales Tax
H740 Tax - Sales and Use
H750 Tax - Sales Tax (State and Local)
H770 Tax - State Tax
H790 Tax - Use Tax
H806 Tax Credit

SAC05	610	Amount	M	N2	1/15	Must use
-------	-----	--------	---	----	------	----------

Description: Monetary amount

SAC06	378	Allowance/Charge Percent Qualifier	X	ID	1/1	Used
-------	-----	------------------------------------	---	----	-----	------

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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Description: Code indicating on what basis allowance or charge percent is calculated

CodeList Summary (Total Codes: 16, Included: 1)

Code Name

3 Discount/Gross

SAC07	332	Percent, Decimal Format	C	R	1/6	Used
-------	-----	--------------------------------	---	---	-----	------

Description: Percent given in decimal format (e.g., 0.0 through 100.0 represents 0% through 100%)

User Note 1: Either SAC05 or SAC07 must be present if the SAC segment is sent.

SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Used
-------	-----	--	---	----	-----	------

Description: Code indicating method of handling for an allowance or charge

CodeList Summary (Total Codes: 22, Included: 3)

Code Name

01 Bill Back

02 Off Invoice

06 Charge to be Paid by Customer

SAC15	352	Description	O	AN	1/80	Used
-------	-----	--------------------	---	----	------	------

Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. C1413 - If SAC14 is present, then SAC13 is required.
7. C1615 - If SAC16 is present, then SAC15 is required.
8. R0507 - At least one of SAC05 or SAC07 is required.

Semantics:

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.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

Comments:

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.

TDS Total Monetary Value Summary

Pos: 0100	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To specify the total invoice discounts and amounts

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TDS01	610	Amount	M	N2	1/15	Must use

Description: Monetary amount

User Note 1: Total Invoice Amount (including charges, less allowances, plus taxes) before terms discount (if discount is applicable).

TDS02	610	Amount	O	N2	1/15	Used
-------	-----	--------	---	----	------	------

Description: Monetary amount

User Note 1: Merchandise Total (does not includes charges/allowances/taxes) total upon which terms discount amount is calculated

Semantics:

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.

CAD Carrier Details

Pos: 0300	Max: 1
Summary - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

Purpose: To specify transportation details for the transaction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CAD01	91	Transportation Method/Type Code	M	ID	1/2	Must use

Description: Code specifying the method or type of transportation for the shipment

CodeList Summary (Total Codes: 80, Included: 1)

Code Name

ZZ Mutually defined

CAD04	140	Standard Carrier Alpha Code	O	ID	2/4	Used
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Description: Standard Carrier Alpha Code

CAD05	387	Routing	O	AN	1/35	Used
-------	-----	---------	---	----	------	------

Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

Syntax Rules:

1. R0504 - At least one of CAD05 or CAD04 is required.
2. C0708 - If CAD07 is present, then CAD08 is required.

Loop Service, Promotion, Allowance, or Charge Information

Pos: 0400 Repeat: 25
Optional
Loop: SAC Elements: N/A

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 0400 Max: 1
Summary - Optional
Loop: SAC Elements: 7

User Option (Usage): Used

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use

Description: Code which indicates an allowance or charge for the service specified

CodeList Summary (Total Codes: 7, Included: 2)

Code Name

A Allowance
C Charge

SAC02	1300	Service, Promotion, Allowance, or Charge Code	M	ID	4/4	Must use
-------	------	---	---	----	-----	----------

Description: Code identifying the service, promotion, allowance, or charge

CodeList Summary (Total Codes: 1090, Included: 17)

Code Name

C110 Deposit

User Note 1:

Used for Bottle Deposit

C310 Discount
D080 Floor Stock Protection
D240 Freight
D270 Fuel Surcharge
D500 Handling
F280 Performance Allowance
F670 Price and Marketing Allowance
H090 Special Handling
H560 Swell
H700 Tax - Local Tax
H730 Tax - Local Sales Tax
H740 Tax - Sales and Use
H750 Tax - Sales Tax (State and Local)
H770 Tax - State Tax
H790 Tax - Use Tax
H806 Tax Credit

SAC05	610	Amount	M	N2	1/15	Must use
-------	-----	--------	---	----	------	----------

Description: Monetary amount

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC06	378	Allowance/Charge Percent Qualifier	X	ID	1/1	Used

Description: Code indicating on what basis allowance or charge percent is calculated

CodeList Summary (Total Codes: 16, Included: 1)

Code Name

3 Discount/Gross

SAC07	332	Percent, Decimal Format	C	R	1/6	Used
-------	-----	-------------------------	---	---	-----	------

Description: Percent given in decimal format (e.g., 0.0 through 100.0 represents 0% through 100%)

User Note 1: Either SAC05 or SAC07 must be present if the SAC segment is sent.

SAC12	331	Allowance or Charge Method of Handling Code	O	ID	2/2	Used
-------	-----	---	---	----	-----	------

Description: Code indicating method of handling for an allowance or charge

CodeList Summary (Total Codes: 22, Included: 3)

Code Name

01 Bill Back

02 Off Invoice

06 Charge to be Paid by Customer

SAC15	352	Description	O	AN	1/80	Used
-------	-----	-------------	---	----	------	------

Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. C1413 - If SAC14 is present, then SAC13 is required.
7. C1615 - If SAC16 is present, then SAC15 is required.
8. R0507 - At least one of SAC05 or SAC07 is required.

Semantics:

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.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

Comments:

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.

CTT Transaction Totals

Pos: 0700	Max: 1
Summary - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To transmit a hash total for a specific element in the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	Number of Line Items	M	N0	1/6	Must use

Description: Total number of line items in the transaction set

CTT02	347	Hash Total	O	R	1/10	Used
-------	-----	------------	---	---	------	------

Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. 18E2 Fifth occurrence of value being hashed. ----- 1873 Hash Total

User Note 1: Total number of units being invoiced

Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

SE Transaction Set Trailer

Pos: 0800	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	N0	1/10	Must use
Description: Total number of segments included in a transaction set including ST and SE segments						
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

Comments:

1. SE is the last segment of each transaction set.