810 Invoice - v4030

X12/V4030/810

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Revision History

Date	Version	Revision	Approved By
April 1, 2008	1.0	Initial Publication	Diane Pizzarelli
April 23, 2008	1.1	Added note to REF IA	Diane Pizzarelli
September 16, 2015	1.2	Coversheet	Diane Pizzarelli
		Removed TXI & SAC segment information from the detail level	Diane Pizzarelli
		Added New SAC Allowance W220 – Web Portal page 22	Diane Pizzarelli

810 Invoice

Functional Group=IN

This Draft Standard for Trial Use 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.

User Note:

PLEASE NOTE THAT IN 4030 THE ISA11 NO LONGER CONTAINS THE INTERCHANGE CONTROL STANDARDS IDENTIFIER. IT IS NOW USED TO IDENTIFY THE REPETITION SEPARATOR.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use
0100	ST	Transaction Set Header	M	1			Must use
0200	BIG	Beginning Segment for Invoice	M	1			Must use
0500	REF	Reference Identification	O	12			Must use
LOOP ID - N1					**200**		
0700	N1	Name	O	1			Must use
1300	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Used
1500	FOB	F.O.B. Related Instructions	O	1			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - IT1					**200000**		
0100	IT1	Baseline Item Data (Invoice)	O	1			Must use
0400	TXI	Tax Information	O	>1			Must use
LOOP ID - SAC					**>1**		
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
0200	TXI	Tax Information	O	>1			Used
LOOP ID - SAC					**>1**		
0400	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
LOOP ID - ISS					**>1**		
0600	ISS	Invoice Shipment Summary	O	1			Used

0700	CTT	Transaction Totals	O	1	N3/0700	Must use
0800	SE	Transaction Set Trailer	M	1		Must use
	GE	Functional Group Trailer	M	1		Must use
	IEA	Interchange Control Trailer	M	1		Must use

ISA Interchange Control Header

Pos:	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must use

To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA01	I01	**Authorization Information Qualifier** **Description:** Code identifying the type of information in the Authorization Information **Code** / **Name** 00 — No Authorization Information Present (No Meaningful Information in I02)	M	ID	2/2	Must use
ISA02	I02	**Authorization Information** **Description:** Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M	AN	10/10	Must use
ISA03	I03	**Security Information Qualifier** **Description:** Code identifying the type of information in the Security Information **Code** / **Name** 00 — No Security Information Present (No Meaningful Information in I04)	M	ID	2/2	Must use
ISA04	I04	**Security Information** **Description:** This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	M	AN	10/10	Must use
ISA05	I05	**Interchange ID Qualifier** **Description:** Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified **All valid standard codes are used.**	M	ID	2/2	Must use
ISA06	I06	**Interchange Sender ID** **Description:** Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element	M	AN	15/15	Must use
ISA07	I05	**Interchange ID Qualifier** **Description:** Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified **Code** / **Name** 01 — Duns (Dun & Bradstreet) ZZ — Mutually Defined	M	ID	2/2	Must use
ISA08	I07	**Interchange Receiver ID**	M	AN	15/15	Must use

		Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them **User Note:** *Inovis Test: CLPEPBOYS* *Pep Boys Test: 007914401T* *Production: 007914401*				
ISA09	I08	**Interchange Date** **Description:** Date of the interchange	M	DT	6/6	Must use
ISA10	I09	**Interchange Time** **Description:** Time of the interchange	M	TM	4/4	Must use
ISA11	I65	**Repetition Separator** **Description:** Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator	M		1/1	Must use
ISA12	I11	**Interchange Control Version Number** **Description:** Code specifying the version number of the interchange control segments **<u>Code</u>** **<u>Name</u>** 00403 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1999	M	ID	5/5	Must use
ISA13	I12	**Interchange Control Number** **Description:** A control number assigned by the interchange sender	M	N0	9/9	Must use
ISA14	I13	**Acknowledgment Requested** **Description:** Code indicating sender's request for an interchange acknowledgment **All valid standard codes are used.**	M	ID	1/1	Must use
ISA15	I14	**Usage Indicator** **Description:** Code indicating whether data enclosed by this interchange envelope is test, production or information **<u>Code</u>** **<u>Name</u>** P Production Data T Test Data	M	ID	1/1	Must use
ISA16	I15	**Component Element Separator** **Description:** Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator	M		1/1	Must use

GS Functional Group Header

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

User Option (Usage): Must use

To indicate the beginning of a functional group and to provide control information

Semantics:

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.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	479	**Functional Identifier Code** **Description:** Code identifying a group of application related transaction sets **Code** / **Name** IN / Invoice Information (810)	M	ID	2/2	Must use
GS02	142	**Application Sender's Code** **Description:** Code identifying party sending transmission; codes agreed to by trading partners	M	AN	2/15	Must use
GS03	124	**Application Receiver's Code** **Description:** Code identifying party receiving transmission; codes agreed to by trading partners **User Note:** *Inovis Test: CLPEPBOYS* *Pep Boys Test: 007914401T* *Production: 007914401*	M	AN	2/15	Must use
GS04	373	**Date** **Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	M	DT	8/8	Must use
GS05	337	**Time** **Description:** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	M	TM	4/8	Must use
GS06	28	**Group Control Number** **Description:** Assigned number originated	M	N0	1/9	Must use

		and maintained by the sender				
GS07	455	**Responsible Agency Code** **Description:** Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480 **Code** / **Name** X / Accredited Standards Committee X12	M	ID	1/2	Must use
GS08	480	**Version / Release / Industry Identifier Code** **Description:** Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed **Code** / **Name** 004030 / Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1999	M	AN	1/12	Must use

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

ST Transaction Set Header

User Option (Usage): Must use

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

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.

Example:

*ST*810*1709~*

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code** **Description:** Code uniquely identifying a Transaction Set **Code** / **Name** 810 / Invoice	M	ID	3/3	Must use
ST02	329	**Transaction Set Control Number** **Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use

BIG Beginning Segment for Invoice

Pos: 0200	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 4**

User Option (Usage): Must use

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

Semantics:

1. BIG01 is the invoice issue date.
2. BIG03 is the date assigned by the purchaser to purchase order.
3. 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:

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

Example:

*BIG*20080215*123456789**N2726001***PR~*

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG01	373	**Date** **Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	M	DT	8/8	Must use
BIG02	76	**Invoice Number** **Description:** Identifying number assigned by issuer	M	AN	1/22	Must use
BIG04	324	**Purchase Order Number** **Description:** Identifying number for Purchase Order assigned by the orderer/purchaser	O	AN	1/12	Must use
BIG07	640	**Transaction Type Code** **Description:** Code specifying the type of transaction	O	ID	2/2	Used

Code	Name
PR	Product (or Service)

REF Reference Identification

Pos: 0500	Max: 12
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To specify identifying information

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.

Example:

*REF*BM*25028001~*
*REF*IA*0033225100~*

User Note:

Two REF segments are required: one for Bill of Lading Number (BM) and one for Internal Vendor Number (IA).

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier** **Description:** Code qualifying the Reference Identification **Code** / **Name** BM — Bill of Lading Number IA — Internal Vendor Number **User Note:** *Vendor number assigned by Pep Boys*	M	ID	2/3	Must use
REF02	127	**Reference Identification** **Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier **User Note:** *When REF01=IA, vendor number is comprised of first 7 digits from 850 REF IA followed by 100. The 810 REF IA must be 10 digits long and the final 3 digits are '100'.*	X	AN	1/12	Must use

N1 Name

Pos: 0700	Max: 1
Heading - Optional	
Loop: N1	Elements: 3

User Option (Usage): Must use

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

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.

Example:

*N1*ST**92*12345~*

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code** **Description:** Code identifying an organizational entity, a physical location, property or an individual **Code** / **Name** ST / Ship To	M	ID	2/3	Must use
N103	66	**Identification Code Qualifier** **Description:** Code designating the system/method of code structure used for Identification Code (67) **Code** / **Name** 92 / Assigned by Buyer or Buyer's Agent	X	ID	1/2	Must use
N104	67	**Identification Code** **Description:** Code identifying a party or other code	X	AN	2/11	Must use

ITD Terms of Sale/Deferred Terms of Sale

Pos: 1300 **Max: >1**
Heading - Optional
Loop: N/A **Elements: 9**

User Option (Usage): Used

To specify terms of sale

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.

User Note:

Formats Accepted by Pep Boys:

1. XX% XX days (5% 30 Days) (use ITD 1,2,3,5)
*Example: ITD*08*15*5**30~*

2. XX% XXth Proxima (5% 15th proxima) (use ITD 1,2,3,13)
**if delivery date is prior to the 25th of the month, payment is due by the XXth of the next month otherwise payment is due by the 15th of the following mth (Delivery mth+2)*
*Example: ITD*09*1*5**********15~*

3. XX% XXth Proxima + XX Days (5% 15th proxima+30 days) (use ITD 1,2,3,5,13)
**if delivery date is prior to the 25th of the month, payment is due by the XXth of the next month plus XX Days otherwise payment is due by the 15th of the following month(Delivery month+2) plus XX Days*
*Example: ITD*09*8*5**30********15~*

4. Net XX Days (Net 30 Days) (use ITD 1,2,7. ITD11 optional)
**a percent of invoice to-be-paid within XX days can be added to each ITD segment if needed(ITD11) 30 days 33%, 60 days 33%, 90 days 34%(total 100%)*
Example:
*ITD*05*2*****30****33~*
*ITD*05*2*****60****33~*
*ITD*05*2*****90****34~*

5. XX% XX Days, Net XX Days (5% 30 Days, Net 60 Days) (use ITD 1,2,3,5,7)
*Example: ITD*08*3*5**30**60~*

6. Net Date (Net 20080228) (use ITD 1,2,6)
*Example: ITD*05*4****20080228~*

7. XX% Date, Net Date (5% 20080301, Net 20080315) (use ITD 1,2,3,4,6)
*Example: ITD*08*4*5*20080301**20080315~*

8. Installments - same as Net Date with % due added(Net 20080228 (xx%)) (use ITD 1,2,6,11)
**a percent of invoice to-be-paid by the due date can be added to each ITD segment if needed(ITD-11) 20080228 33%, 20080328 33%, 20080428 34%(total 100%)*
Example:
*ITD*04*2****20080228*****33~*
*ITD*04*2****20080328*****33~*
*ITD*04*2****20080428*****34~*

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD01	336	**Terms Type Code** **Description:** Code identifying type of payment terms **Code** / **Name** 04 Deferred or Installment 05 Discount Not Applicable 08 Basic Discount Offered 09 Proximo	O	ID	2/2	Must use
ITD02	333	**Terms Basis Date Code** **Description:** Code identifying the beginning of the terms period **Code** / **Name** 1 Ship Date 2 Delivery Date 3 Invoice Date 4 Specified Date 8 Invoice Transmission Date 15 Receipt of Goods	O	ID	1/2	Must use
ITD03	338	**Terms Discount Percent** **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	O	R	1/6	Used
ITD04	370	**Terms Discount Due Date** **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	X	DT	8/8	Used
ITD05	351	**Terms Discount Days Due** **Description:** Number of days in the terms discount period by which payment is due if terms discount is earned	X	N0	1/3	Used
ITD06	446	**Terms Net Due Date** **Description:** Date when total invoice amount becomes due expressed in format CCYYMMDD where CC represents the first two digits of the calendar year	O	DT	8/8	Used
ITD07	386	**Terms Net Days** **Description:** Number of days until total invoice amount is due (discount not applicable)	O	N0	1/3	Used
ITD11	342	**Percent of Invoice Payable** **Description:** Amount of invoice payable expressed in percent	X	R	1/5	Used
ITD13	765	**Day of Month** **Description:** The numeric value of the day of the month between 1 and the maximum day of the month being referenced	X	N0	1/2	Used

FOB F.O.B. Related Instructions

Pos: 1500	Max: 1
Heading - Optional	
Loop: N/A	Elements: 1

User Option (Usage): Used

To specify transportation instructions relating to shipment

Syntax Rules:

1. C0302 - If FOB03 is present, then FOB02 is required.
2. C0405 - If FOB04 is present, then FOB05 is required.
3. C0706 - If FOB07 is present, then FOB06 is required.
4. C0809 - If FOB08 is present, then FOB09 is required.

Semantics:

1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.
3. FOB06 is the code specifying the title passage location.
4. FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Example:

*FOB*CC~*

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB01	146	**Shipment Method of Payment** **Description:** Code identifying payment terms for transportation charges	M	ID	2/2	Must use

Code	Name
CC	Collect **User Note:** *Freight paid by Pep Boys*
PC	Prepaid but Charged to Customer **User Note:** *Vendor pays and bears freight, then bills Pep Boys*
PO	Prepaid Only **User Note:** *Vendor Pays freight, picks carrier, bears freight*
PP	Prepaid (by Seller) **Description:** Vendor pays freight, picks carrier
TP	Third Party Pay **Description:** Outside party other than seller or recipient pays freight

IT1 Baseline Item Data (Invoice)

Pos: 0100	Max: 1
Detail - Optional	
Loop: IT1	Elements: 7

User Option (Usage): Must use

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

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.

Example:

*IT1**5*EA*4.94**IN*8620482*VN*64102~*

User Note:

IT1 is positionally mapped. You MUST send the Buyer's Item Number (IN qualifier) in the IT106/07 pair and you MUST send the Vendor's Item Number (VN qualifier) in the IT108/09 qualifier.

For special orders, if the Buyer's Item Number is not available the Vendor's Item Number may be used with both the IN and VN qualifiers.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT102	358	**Quantity Invoiced** **Description:** Number of units invoiced (supplier units)	X	R	1/10	Must use
IT103	355	**Unit or Basis for Measurement Code** **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken **Code** / **Name** EA / Each	X	ID	2/2	Must use

IT104	212	**Unit Price** **Description:** Price per unit of product, service, commodity, etc.	X	R	1/17	Must use
IT106	235	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) **Code** **Name** IN Buyer's Item Number	X	ID	2/2	Must use
IT107	234	**Product/Service ID** **Description:** Identifying number for a product or service	X	AN	1/48	Must use
IT108	235	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234) **Code** **Name** VN Vendor's (Seller's) Item Number	X	ID	2/2	Must use
IT109	234	**Product/Service ID** **Description:** Identifying number for a product or service	X	AN	1/48	Must use

TDS Total Monetary Value Summary

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

User Option (Usage): Must use

To specify the total invoice discounts and amounts

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.

Example:

*TDS*16466851~*

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TDS01	610	**Amount** **Description:** Monetary amount	M	N2	1/15	Must use

TXI Tax Information

Pos: 0200	Max: >1
Summary - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

To specify tax information

Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.
2. P0405 - If either TXI04 or TXI05 is present, then the other is required.
3. C0803 - If TXI08 is present, then TXI03 is required.

Semantics:

1. TXI02 is the monetary amount of the tax.
2. TXI03 is the tax percent expressed as a decimal.
3. TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Example:

*TXI*SA*150.12~*

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TXI01	963	**Tax Type Code** **Description:** Code specifying the type of tax	M	ID	2/2	Must use
TXI02	782	**Monetary Amount** **Description:** Monetary amount	X	R	1/18	Used

TXI01 codes:

Code	Name
EV	Environmental Tax **User Note:** *Fee per gallon on motor oils and petrochemicals*
FT	Federal Excise Tax **User Note:** *Federally mandated charges on specific items*
OH	Other Taxes **User Note:** *Use for disposal fees* *Use for tires*
SA	State or Provincial Fuel Tax
ZZ	Mutually Defined **User Note:** *Use for recycle tax*

SAC Service, Promotion, Allowance, or Charge Information

Pos: 0400	**Max: 1**
Summary - Optional	
Loop: SAC	**Elements: 5**

User Option (Usage): Used

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

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. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. C1615 - If SAC16 is present, then SAC15 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.

Example:

*SAC*C*B750***995~*
*SAC*A*A260****3*.25~*

Notes:

Pep Boys Allowances should not be bundled unless agreed upon by the AP team.

Element Summary:

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

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

Code	**Name**
A	Allowance
C	Charge

SAC02 1300 **Service, Promotion, Allowance, or Charge Code** X ID 4/4 Used

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

Code	**Name**
A260	Advertising Allowance
B210	Co-op Credit **User Note:** *Agreed $ amount that manufacturer will reimburse Pep Boys for advertising expenses*
B750	Core Charge
C000	Defective Allowance **User Note:** *Price reduction for merchandise not reasonably safe for use*
C300	Discount - Special **User Note:** *Manager's Meeting*
C320	Display Allowance
D240	Freight **User Note:** *Charges associated with the transportation or movement of merchandise*
E730	New Item Allowance **User Note:** *Price reduction for carrying a new product*
E740	New Store Allowance **User Note:** *Price reduction for opening a new store and stocking specific products*
F050	Other (See related description) **User Note:** *Racing*
F670	Price and Marketing Allowance **User Note:** *Enhanced Marketing Initiative*
F970	Rebate **User Note:** *Refund resulting from purchase or tax*
G220	Racing Support Initiative **User Note:** *Racing Support Initiative*
H010	Special Buy **User Note:** *Price reduction due to a special agreement between buyer and sales rep*
I170	Trade Discount **User Note:** *Producer discount given to Pep Boys as a promotional effort*
I430	Usage Plan Detail Charge **User Note:** *Planogram*
I530	Volume Discount **User Note:**

			Price reduction in $ or % based on the quantity of goods purchased				
		W220	Web Portal Allowance **User Note:** Supplier Link Web Portal Allowance				
		ZZZZ	Mutually Defined **User Note:** *ECAT*				
SAC05	610	**Amount** **Description:** Monetary amount		O	N2	1/15	Used
SAC06	378	**Allowance/Charge Percent Qualifier** **Description:** Code indicating on what basis allowance or charge percent is calculated		X	ID	1/1	Used
		<u>Code</u>	**<u>Name</u>**				
		3	Discount/Gross				
SAC07	332	**Percent** **Description:** Percent expressed as a percent		X	R	1/6	Used

ISS Invoice Shipment Summary

Pos: 0600	Max: 1
Summary - Optional	
Loop: ISS	Elements: 2

User Option (Usage): Used

To specify summary details of total items shipped in terms of quantity, weight, and volume

Syntax Rules:

1. R010305 - At least one of ISS01, ISS03 or ISS05 is required.
2. P0102 - If either ISS01 or ISS02 is present, then the other is required.
3. P0304 - If either ISS03 or ISS04 is present, then the other is required.
4. P0506 - If either ISS05 or ISS06 is present, then the other is required.

Semantics:

1. ISS07 is the quantity of third party pallets.
2. ISS08 is the gross weight of third party pallets in pounds.

Example:

*ISS***27341.00*PN~*

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISS03	81	**Weight** **Description:** Numeric value of weight	X	R	1/10	Used
ISS04	355	**Unit or Basis for Measurement Code** **Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X	ID	2/2	Used

Code	Name
PN	Pounds Net

CTT Transaction Totals

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

User Option (Usage): Must use

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

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.

Example:

*CTT*26~*

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	**Number of Line Items** **Description:** Total number of line items in the transaction set	M	N0	1/6	Must use

SE Transaction Set Trailer

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

User Option (Usage): Must use

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Comments:

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

Example:

*SE*223*1709~*

Element Summary:

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

GE Functional Group Trailer

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

User Option (Usage): Must use

To indicate the end of a functional group and to provide control information

Semantics:

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.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE01	97	**Number of Transaction Sets Included** **Description:** Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	N0	1/6	Must use
GE02	28	**Group Control Number** **Description:** Assigned number originated and maintained by the sender	M	N0	1/9	Must use

IEA Interchange Control Trailer

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

User Option (Usage): Must use

To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA01	I16	**Number of Included Functional Groups** **Description:** A count of the number of functional groups included in an interchange	M	N0	1/5	Must use
IEA02	I12	**Interchange Control Number** **Description:** A control number assigned by the interchange sender	M	N0	9/9	Must use

Sample 810

```
ISA*00* *00* *ZZ*YOURID *01*007914401 *080115*1450*^*00403*000000001*1*P*>~
GS*IN*YOURID*007914401*20080115*1450*000001*X*004030~
ST*810*1709~
BIG*20080215*123456789**N2726001***PR~
REF*BM*25028001~
REF*IA*0033225100~
N1*ST**92*12345~
ITD*08*15*5**30~
FOB*CC~
IT1**5*EA*4.94**IN*8620482*VN*64102~
TDS*2470~
TXI*SA*150.12~
SAC*C*B750***995~
ISS***27341.00*PN~
CTT*1~
SE*14*1709~
GE*1*000001~
IEA*1*000000001~
```