810 Invoice

X12/V5010/810: 810 Invoice

Author: SPS Commerce

Company: Sally Beauty Holdings, Inc

Created: 5/30/2012

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
0400	CUR	Currency	M	1			Must use
0500	REF	Reference Identification	M	12			Must use
0600	PER	Administrative Communications Contact	O	1			Used
LOOP ID - N1					**2**		
0700	N1	Name	M	1			Must use
0900	N3	Address Information	M	1			Must use
1000	N4	Geographic Location	M	1			Must use
1300	ITD	Terms of Sale/Deferred Terms of Sale	M	1			Must use
1400	DTM	Date/Time Reference	M	1			Must use
1500	FOB	F.O.B. Related Instructions	M	1			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - IT1					**200000**		
0100	IT1	Baseline Item Data (Invoice)	M	1			Must use
0500	CTP	Pricing Information	O	25			Used
LOOP ID - PID					**2**		
0600	PID	Product/Item Description	M	1			Must use
LOOP ID - SAC					**>1**		
0400	SAC	Service, Promotion, Allowance, or Charge Information	C	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	C	1			Used
0700	CTT	Transaction Totals	O	1		N3/0700	Used

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
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:

Sally Beauty Supply is requiring suppliers to provide electronic Invoices for all electronically created orders. This information will be used to automate the receipt of invoices, use the three-way matching functionality within their financial systems against the Inventory receipt and Purchase order and apply the invoice into their accounts payable system for timely payments to Suppliers. Suppliers are to create one invoice per single Purchase Order and shipment. Credit memos will not be included in the initial implementation, suppliers are to continue to manage credits through the current manual process

Change History:

04/02/2019
-Added G830 to the SAC02 code list

03/10/2021
-Removed the list of values from CUR02

04/08/2021
-Updated SAC02 list

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	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

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: 4**

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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:

Invoice Date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG02	76	**Invoice Number**	M	AN	1/22	Must use

Description: Identifying number assigned by issuer

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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:

Purchase Order Date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG04	324	**Purchase Order Number**	M	AN	1/22	Must use

Description: Identifying number for Purchase Order assigned by the orderer/purchaser

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.

CUR Currency

<table>
<tr><td>Pos: 0400</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Must use

Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CUR01	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: 1)

Code	Name
BY	Buying Party (Purchaser)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CUR02	100	**Currency Code**	M	ID	3/3	Must use

Description: Code (Standard ISO) for country in whose currency the charges are specified

User Note 1: *The currency code (CUR02) must match what was sent on the 850 Purchase Order.*

Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. L101112 - If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. C1110 - If CUR11 is present, then CUR10 is required.
5. C1210 - If CUR12 is present, then CUR10 is required.
6. L131415 - If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. C1413 - If CUR14 is present, then CUR13 is required.
8. C1513 - If CUR15 is present, then CUR13 is required.
9. L161718 - If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. C1716 - If CUR17 is present, then CUR16 is required.
11. C1816 - If CUR18 is present, then CUR16 is required.
12. L192021 - If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. C2019 - If CUR20 is present, then CUR19 is required.
14. C2119 - If CUR21 is present, then CUR19 is required.

REF   Reference Identification

Pos: 0500	**Max: 12**
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
19	Division Identifier

User Note 1:

Mandatory

2I	Tracking Number

User Note 1:

Conditional -At least one of CN (Carrier Pro), 2I (Tracking Number) or BM (Bill of Lading) must exist with each Invoice sent

BM	Bill of Lading Number

User Note 1:

Conditional -At least one of CN (Carrier Pro), 2I (Tracking Number) or BM (Bill of Lading) must exist with each Invoice sent

CN	Carrier's Reference Number (PRO/Invoice)

User Note 1:

Conditional -At least one of CN (Carrier Pro), 2I (Tracking Number) or BM (Bill of Lading) must exist with each Invoice sent

CO	Customer Order Number

User Note 1:

Optional - Sent with DropShip

IA	Internal Vendor Number

User Note 1:

Mandatory
This must match what was provided on the original order.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	M	AN	1/50	Must use

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

<table>
<tr><td>Pos: 0600</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 6</td></tr>
</table>

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
BI	Bill Inquiry Contact

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER02	93	**Name**	M	AN	1/60	Must use

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER03	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number

CodeList Summary (Total Codes: 42, Included: 1)

Code	Name
TE	Telephone

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER04	364	**Communication Number**	X	AN	1/256	Used

Description: Complete communications number including country or area code when applicable

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER05	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number

CodeList Summary (Total Codes: 42, Included: 1)

Code	Name
EM	Electronic Mail

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER06	364	**Communication Number**	X	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 Name

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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0700	N1	Name	M	1		Must use
0900	N3	Address Information	M	1		Must use
1000	N4	Geographic Location	M	1		Must use

N1 Name

<div style="border:1px solid">
Pos: 0700   **Max: 1**

Heading - Mandatory

Loop: N1   **Elements: 4**
</div>

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: 1445, Included: 2)

Code	Name
RI	Remit To

> **User Note 1:**
>
> *Mandatory*

Code	Name
ST	Ship To

> **User Note 1:**
>
> *Mandatory*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	M	AN	1/60	Must use

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	C	ID	1/2	Used

Description: Code designating the system/method of code structure used for Identification Code (67)

CodeList Summary (Total Codes: 223, Included: 1)

Code	Name
92	Assigned by Buyer or Buyer's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	C	AN	2/80	Used

Description: Code identifying a party or other 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.

N3 Address Information

Pos: 0900	**Max: 1**
Heading - Mandatory	
Loop: N1	**Elements: 2**

User Option (Usage): Must use

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

<table>
<tr><td>Pos: 1000</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: N1</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Must use

Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.

ITD Terms of Sale/Deferred Terms of Sale

Pos: 1300   **Max: 1**

Heading - Mandatory

Loop: N/A   **Elements: 3**

User Option (Usage): Must use

Purpose: To specify terms of sale

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD05	351	**Terms Discount Days Due**	C	N0	1/3	Used

Description: Number of days in the terms discount period by which payment is due if terms discount is earned

User Note 1: *If ITD05 is present, then ITD08 is required.*

ITD08	362	**Terms Discount Amount**	C	N2	1/10	Used

Description: Total amount of terms discount

User Note 1: *If ITD08 is present, then ITD05 is required.*

ITD12	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. L030405 - If ITD03 is present, then at least one of ITD04 or ITD05 is required.
2. L080405 - If ITD08 is present, then at least one of ITD04 or ITD05 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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	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:

Shipped Date

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.

FOB   **F.O.B. Related Instructions**

Pos: 1500   Max: 1
Heading - Mandatory
Loop: N/A   Elements: 3

User Option (Usage): Must use

Purpose: To specify transportation instructions relating to shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB01	146	**Shipment Method of Payment**	M	ID	2/2	Must use

Description: Code identifying payment terms for transportation charges

CodeList Summary (Total Codes: 31, Included: 2)

Code	Name
CC	Collect
PP	Prepaid (by Seller)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB02	309	**Location Qualifier**	X	ID	1/2	Used

Description: Code identifying type of location

CodeList Summary (Total Codes: 184, Included: 2)

Code	Name
DE	Destination (Shipping)
PE	Port of Entry

Description: *Port where customs is declared*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FOB03	352	**Description**	O	AN	1/80	Used

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

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.

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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0100	IT1	Baseline Item Data (Invoice)	M	1		Must use
0500	CTP	Pricing Information	O	25		Used
0600		Loop PID	M		2	Must use
1800		Loop SAC	C		>1	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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT101	350	**Assigned Identification**	M	AN	1/20	Must use

Description: Alphanumeric characters assigned for differentiation within a transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT102	358	**Quantity Invoiced**	M	R	1/15	Must use

Description: Number of units invoiced (supplier units)

User Note 1:

Quantity (in eaches) must be greater than '0'.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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: 1)

Code	Name
EA	Each

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT104	212	**Unit Price**	M	R	1/17	Must use

Description: Price per unit of product, service, commodity, etc.

User Note 1:

Price per Each

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

CodeList Summary (Total Codes: 519, Included: 1)

Code	Name
BP	Buyer's Part Number

> **User Note 1:**
> *This Sally Beauty's SKU number and must match what was sent on the PO.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT107	234	**Product/Service ID**	M	AN	1/48	Must use

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT108	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User Note 1: *If the UPC or Vendor item identifier were sent on the PO, the value sent on the invoice must match.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage

CodeList Summary (Total Codes: 518, Included: 2)

Code	**Name**
UP	UCC - 12
VP	Vendor's (Seller's) Part Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT109	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT110	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

CodeList Summary (Total Codes: 517, Included: 2)

Code	**Name**
UP	UCC - 12
VP	Vendor's (Seller's) Part Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT111	234	**Product/Service ID**	X	AN	1/48	Used

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.

Semantics:

1. IT101 is the line item identification.

User Note 1:

Invoice can only contain items that were listed on the 850 Purchase Order or the 860 Purchase Order Change.

CTP　Pricing Information

<div style="border:1px solid">
Pos: 0500　　　Max: 25
Detail - Optional
Loop: IT1　　Elements: 1
</div>

User Option (Usage): Used

Purpose: To specify pricing information

Element Summary:

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

Description: Monetary amount

User Note 1: *Extended Item Amount　QTY*Unit Price*

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.

Loop Product/Item Description

<div style="border:1px solid black;">

Pos: 0600   **Repeat: 2**

Mandatory

Loop: PID   **Elements: N/A**

</div>

User Option (Usage): Must use

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

Loop Summary:

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

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
F	Free-form

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
08	Product

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID05	352	**Description**	M	AN	1/80	Must use

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

User Note 1:

Product Description (08)

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.

Loop Service, Promotion, Allowance, or Charge Information

Pos: 1800	Repeat: >1
Conditional	
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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0400	SAC	Service, Promotion, Allowance, or Charge Information	C	1		Used

User Note 1:

When the SAC segment is sent on the 850 or 860, it should be sent on the invoice. All allowances listed on the 850 and 860 must be included on the 810, and amounts prorated according to the quantity.

SAC Service, Promotion, Allowance, or Charge Information

Pos: 0400	Max: 1
Detail - Conditional	
Loop: SAC	**Elements: 4**

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:

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

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

Code	Name
A	Allowance
C	Charge

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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: 15)

Code	Name
A260	Advertising Allowance
B840	Customer Account Identification
B870	Customs Charge
C000	Defective Allowance
C220	Development Charge
D170	Free Goods
D240	Freight
D242	Freight, International
D530	Hazardous Cargo Charge
F800	Promotional Allowance
F970	Rebate
G290	Regulatory Fee
I170	Trade Discount
X014	Prepaid Amount
ZZZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC05	610	**Amount**	M	N2	1/15	Must use

Description: Monetary amount

User Note 1: *one of either SAC05 or SAC06/07 is required*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC15	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. 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.

TDS Total Monetary Value Summary

Pos: 0100	Max: 1
Summary - Mandatory	
Loop: N/A	**Elements: 4**

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:

Value must be greater than 0. Negative amounts also not allowed.

Total amount of invoice

(including charges, less allowances) before terms discount

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TDS02	610	**Amount**	C	N2	1/15	Used

Description: Monetary amount

User Note 1:

Merchandise Total

Amount upon which the terms discount amount is calculated

If Charges, Allowances, or Taxes is present, TDS02 is required.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TDS03	610	**Amount**	O	N2	1/15	Used

Description: Monetary amount

User Note 1:

Amount of invoice due if paid by terms discount due date

(total invoice or installment amount less cash discount)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TDS04	610	**Amount**	O	N2	1/15	Used

Description: Monetary amount

User Note 1:

Total amount of terms discount

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.

TXI Tax Information

User Option (Usage): Used

Purpose: To specify tax information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TXI01	963	**Tax Type Code**	M	ID	2/2	Must use

Description: Code specifying the type of tax

CodeList Summary (Total Codes: 102, Included: 2)

Code	Name
BE	Harmonized Sales Tax

> **User Note 1:**
> *HST*

Code	Name
GS	Goods and Services Tax

> **User Note 1:**
> *GST*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TXI02	782	**Monetary Amount**	X	R	1/18	Used

Description: Monetary amount

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.

Loop Service, Promotion, Allowance, or Charge Information

Pos: 0400	**Repeat: >1**
Conditional	
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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0400	SAC	Service, Promotion, Allowance, or Charge Information	C	1		Used

User Note 1:

When the SAC segment is sent on the 850 or 860, it should be sent on the invoice. All allowances listed on the 850 and 860 must be included on the 810, and amounts prorated according to the quantity.

SAC Service, Promotion, Allowance, or Charge Information

Pos: 0400   Max: 1
Summary - Conditional
Loop: SAC   Elements: 4

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:

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

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

Code	Name
A	Allowance
C	Charge

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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: 15)

Code	Name
A260	Advertising Allowance
B840	Customer Account Identification
B870	Customs Charge
C000	Defective Allowance
C220	Development Charge
D170	Free Goods
D240	Freight
D242	Freight, International
D530	Hazardous Cargo Charge
F800	Promotional Allowance
F970	Rebate
G290	Regulatory Fee
I170	Trade Discount
X014	Prepaid Amount
ZZZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC05	610	**Amount**	M	N2	1/15	Must use

Description: Monetary amount

User Note 1:

Amount

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC15	352	**Description**	M	AN	1/80	Must use

Ref	**Id**	**Element Name**	**Req**	**Type**	**Min/Max**	**Usage**

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

User Note 1:

Description of allowance or charge

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.

CTT **Transaction Totals**

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

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**	O	N0	1/6	Used

Description: Total number of line items in the transaction set

User Note 1:

Total number of line items

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.

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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