Vallen Distribution, Inc. 810 Invoice

X12/V4010/810: 810 Invoice

810 Invoice

Functional Group=IN

Purpose: 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.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BIG	Beginning Segment for Invoice	M	1			Must use
040	CUR	Currency	O	1			Used
050	REF	Reference Identification	M	5			Must use
LOOP ID - N1					**1**		
070	N1	Name	M	1			Must use
090	N3	Address Information	M	1			Must use
100	N4	Geographic Location	M	1			Must use
130	ITD	Terms of Sale/Deferred Terms of Sale	C	1			Used
140	DTM	Date/Time Reference	C	1			Used
LOOP ID - N9					**5**		
240	N9	Reference Identification	M	1			Must use
250	MSG	Message Text	M	10			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - IT1					**200000**		
010	IT1	Baseline Item Data (Invoice)	M	1			Must use
LOOP ID - PID					**1**		
060	PID	Product/Item Description	M	1			Must use
120	REF	Reference Identification	C	1			Used
150	DTM	Date/Time Reference	C	1			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	TDS	Total Monetary Value Summary	M	1			Must use
020	TXI	Tax Information	O	1			Used
030	CAD	Carrier Detail	O	1			Used
LOOP ID - SAC					**25**		
040	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
070	CTT	Transaction Totals	O	1		N3/070	Used
080	SE	Transaction Set Trailer	M	1			Must use

Notes:

3/070   Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

Change History:

05/18/2021 - Changed IT107 from mandatory to conditionally required when sent on the PO (EDI 850)

ST Transaction Set Header

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

Pos: 010   **Max: 1**

Heading - Mandatory

Loop: N/A   Elements: 2

</div>

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: 298, 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) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

BIG   Beginning Segment for Invoice

<table>
<tr><td>Pos: 020</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 5</td></tr>
</table>

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

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

User Note 1: *Mandatory*

When BIG07 = CR, this should be the Credit Memo Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG03	373	**Date**	C	DT	8/8	Used

Description: Date expressed as CCYYMMDD

User Note 1: *Purchase Order Date*

Required if BIG04 is present

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG04	324	**Purchase Order Number**	C	AN	1/20	Used

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

User Note 1: *Required if all line items are not sent with a PO Number (REF02, REF01 = PO)*

Optional when BIG07 = CR but should be returned for item returns or invoice corrections

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIG07	640	**Transaction Type Code**	M	ID	2/2	Must use

Description: Code specifying the type of transaction

CodeList Summary (Total Codes: 446, Included: 2)

Code	Name
CR	Credit Memo
DI	Debit Invoice

Semantics:

1. BIG01 is the invoice issue date.
2. BIG03 is the date assigned by the purchaser to purchase order.
3. BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.

Comments:

1.

CUR Currency

User Option (Usage): Used

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: 1312, 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: *Should be USD*

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

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: 1503, Included: 5)

Code	Name
2I	Tracking Number

User Note 1:

Can be Bill of Lading, Carrier PRO or Parcel Tracking Number

Optional

AI	Associated Invoices

User Note 1:

When BIG07 = CR and BIG04 (Purchase Order Number) is present, the Original Invoice Number is required

CO	Customer Order Number

User Note 1:

Return if present on the order (850/860)

IA	Internal Vendor Number

User Note 1:

Mandatory

Return value sent on the order (850/860)

OD	Original Return Request Reference Number

User Note 1:

Return Goods Authorization (RGA) number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	M	AN	1/20	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.

Loop Name

Pos: 070	Repeat: 1
Conditional	
Loop: N1	**Elements: N/A**

User Option (Usage): Used

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
070	N1	Name	M	1		Must use
090	N3	Address Information	M	1		Must use
100	N4	Geographic Location	M	1		Must use

User Note 1:

Optional when BIG07 = CR

N1 Name

Pos: 070	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: 1312, Included: 1)

Code	**Name**
ST	Ship To

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**	X	ID	1/2	Used

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

CodeList Summary (Total Codes: 215, 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**	X	AN	2/80	Used

Description: Code identifying a party or other code

User Note 1: *If provided on the order (850/860), required on the INV*

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.

N3 Address Information

		Pos: 090	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

Pos: 100	**Max: 1**
Heading - Mandatory	
Loop: N1	**Elements: 4**

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N402	156	**State or Province Code**	O	ID	2/2	Used

Description: Code (Standard State/Province) as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N404	26	**Country Code**	O	ID	2/3	Used

Description: Code identifying the country

Syntax Rules:

1. C0605 - If N406 is present, then N405 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: 130 **Max: 1**
Heading - Conditional
Loop: N/A **Elements: 4**

User Option (Usage): Used
Purpose: To specify terms of sale

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD03	338	**Terms Discount Percent**	O	R	1/6	Used

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**	C	DT	8/8	Used

Description: Date payment is due if discount is to be earned expressed in format CCYYMMDD

User Note 1: *If either Terms Discount Percent (ITD03) or Terms Discount Amount (ITD08) is present, Terms Discount Due Date (ITD04) is required*

ITD06	446	**Terms Net Due Date**	M	DT	8/8	Must use

Description: Date when total invoice amount becomes due expressed in format CCYYMMDD

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

Description: Total amount of terms discount

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 1:

Optional when BIG07 = CR

DTM   Date/Time Reference

<table>
<tr><td>Pos: 140</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Conditional</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Used
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: 1112, 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

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.

User Note 1:

Required if all items do not have a ship date (DTM02, when DTM01 = 011)

Optional when BIG07 = CR

Loop Reference Identification

Pos: 240	Repeat: 5
Optional	
Loop: N9	**Elements: 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
240	N9	Reference Identification	M	1		Must use
250	MSG	Message Text	M	10		Must use

N9 Reference Identification

Pos: 240   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: 1503, Included: 1)

Code	Name
L1	Letters or Notes

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N902	127	**Reference Identification**	M	AN	1/30	Must use

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

User Note 1: *GEN: General Message*

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

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MSG01	933	**Free-Form Message Text**	M	AN	1/264	Must use

   Description: Free-form message text

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: 010	Repeat: 200000
Conditional	
Loop: IT1	**Elements: N/A**

User Option (Usage): Used

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
010	IT1	Baseline Item Data (Invoice)	M	1		Must use
060		Loop PID	M		1	Must use
120	REF	Reference Identification	C	1		Used
150	DTM	Date/Time Reference	C	1		Used

User Note 1:

Required when BIG07 = DI, or the credit (BIG07 = CR) is associated with product returns or invoice corrections

IT1 Baseline Item Data (Invoice)

Pos: 010	Max: 1
Detail - Mandatory	
Loop: IT1	**Elements: 11**

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

User Note 1: *Must match value sent on the Order (850/860)*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT102	358	**Quantity Invoiced**	M	R	1/10	Must use

Description: Number of units invoiced (supplier units)

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: 794, Included: 210)

Code	Name
AS	Assortment
AY	Assembly
B1	Box
BA	Bale
BB	Base Box
BC	Bucket
BD	Bundle
BE	Blade
BF	Board Feet
BG	Bag
BH	Brush
BI	Bar
BJ	Band
BK	Book
BL	Block
BN	Bulk
BO	Bottle
BR	Barrel
BT	Belt
BU	Bushel
BX	Box
C4	Carload
CA	Case
CB	Carboy
CC	Cubic Centimeter
CD	Carat
CE	Centigrade, Celsius

Code	Name
CF	Cubic Feet
CG	Card
CH	Container
CI	Cubic Inches
CJ	Cone
CK	Connector
CL	Cylinder
CM	Centimeter
CN	Can
CO	Coil
CP	Crate
CQ	Cartridge
CR	Cubic Meter
CS	Cassette
CT	Carton
CU	Cup
CV	Cover
CW	Hundred Pounds (CWT)
CX	Cost
CY	Cubic Yard
CZ	Combo
DA	Days
DC	Decigram
DE	Deal
DI	Disc
DK	Kilometers
DL	Deciliter
DM	Decimeter
DN	Dozen
DO	Dollars, U.S.
DP	Dispenser
DR	Drum
DS	Display
DZ	Dozen
EA	Each
EP	Eleven pack
EV	Envelope
F2	Square Foot
FA	Fahrenheit
FO	Fluid Ounce
FP	Pounds per Sq. Ft.
FT	Foot
GA	Gallon
GI	Imperial Gallons
GL	Gallon
GM	Grams per Sq. Meter
GR	Gram

Code	Name
GS	Gross
GY	Gross Yard
HA	Hank 100ft of Rope
HC	Hundred Count
HD	Half Dozen
HG	Hectogram
HR	Hours
HU	Hundred
IC	Increment
IN	Inch
JB	Jumbo
JG	Jug
JO	Joint
JR	Jar
JU	Jug
KA	Can
KE	Keg
KG	Kilogram
KH	Kilowatt Hour
KI	Kit
KT	Kit
KV	Kelvin
KW	Kilograms per Millimeter
LB	Pound
LC	Linear Centimeter
LF	Linear Foot
LG	Log
LH	Labor Hours
LI	Linear Inch
LK	Link
LM	Linear Meter
LN	Length
LO	Lot
LP	Pounds Per Cubic Inch
LR	Layer(s)
LS	Lump Sum
LT	Liter
LY	Linear Yard
MA	Machine/Unit
MB	Minimum Buying Unit
MC	Master Case
ME	Milligram
MF	Milligrams Per Sq Ft. Per Side
MG	Metric Gross Ton
MI	Milligrams Per Sq Inch
ML	Milliliter
MM	Millimeter

Code	Name
MN	Metric Net Ton
MO	Months
MR	Meter
MS	Square Millimeter
MT	Metric Long Ton
MU	Minutes
MV	Monetary Value
MX	Mixed
NB	Barge
NC	Car
NL	Load
NN	Train
NR	Container
NT	Trailer
NV	Vehicle
OP	Two pack
OZ	Ounce - Av
P1	Each
P3	Three pack
P4	Four-pack
P5	Five-pack
P6	Six pack
P7	Seven pack
P8	Eight-pack
P9	Nine pack
PA	Pail
PC	Piece
PD	Pad
PE	Pounds Equivalent
PF	Pallet (Lift)
PG	Pounds Gross
PH	Pack (PAK)
PI	Pounds Per Inch of Length
PK	Pack
PL	Pallet/Unit Load
PN	Pounds Net
PP	Pallet
PR	Pair
PS	Pounds per Sq. Inch
PT	Pint
PW	Pounds per Inch of Width
QD	Quarter Dozen
QR	Quire
QT	Quart
RD	Rod
RE	Reel
RL	Roll

		Code	Name
		RM	Ream
		RO	Roll
		SA	Sandwich
		SC	Square Centimeter
		SE	Section
		SF	Square Foot
		SG	Segment
		SH	Sheet
		SI	Square Inch
		SJ	Sack
		SK	Skid/Pallet
		SL	Sleeve
		SM	Square Meter
		SO	Spool
		SP	Shelf Package
		SQ	Square
		SR	Strip
		ST	Set
		SX	Shipment
		SY	Square Yard
		TB	Tube
		TC	Truckload
		TE	Tote
		TG	Gross Ton
		TH	Thousand
		TK	Tank
		TN	Net Ton
		TO	Troy Ounce
		TP	Ten-pack
		TS	Short Ton (2000 Lbs.)
		TU	Thousand Linear Yards
		TW	Thousand Pieces
		TY	Tray
		UN	Unit
		VP	Vendor Price
		WH	Wheel
		WI	Wiper
		WK	Week
		WR	Wrap
		YD	Yard
		YR	Years
		ZP	Each

IT104	212	**Unit Price**	M	R	1/17	Must use

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

IT105	639	**Basis of Unit Price Code**	M	ID	2/2	Must use

Ref	Id	Element Name	Req	Type	Min/Max	Usage

Description: Code identifying the type of unit price for an item

CodeList Summary (Total Codes: 91, Included: 1)

Code **Name**

UM   Price per Unit of Measure

| IT106 | 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: 477, Included: 1)

Code **Name**

BP   Buyer's Part Number

| IT107 | 234 | **Product/Service ID** | C | AN | 1/48 | Used |

Description: Identifying number for a product or service

User Note 1:

Conditionally required when sent on the PO (EDI 850)

| 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)

CodeList Summary (Total Codes: 477, Included: 2)

Code **Name**

MG   Manufacturer's Part Number
VC   Vendor's (Seller's) Catalog Number

| IT109 | 234 | **Product/Service ID** | X | AN | 1/48 | Used |

Description: Identifying number for a product or service

| 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: 477, Included: 2)

Code **Name**

MG   Manufacturer's Part Number
VC   Vendor's (Seller's) Catalog Number

| 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.
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 purchase order 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.

Loop Product/Item Description

Pos: 060   Repeat: 1

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:

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

PID Product/Item Description

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: 217, 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

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.

REF   Reference Identification

Pos: 120	Max: 1
Detail - Conditional	
Loop: IT1	**Elements: 2**

User Option (Usage): Used

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: 1503, Included: 1)

Code	Name
PO	Purchase Order Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	M	AN	1/30	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.

User Note 1:

If header level Purchase Order Number (BIG04) is not provided, a Purchase Order Number is required for each line item

Optional if BIG07 = CR

DTM   **Date/Time Reference**

Pos: 150	**Max: 1**
Detail - Conditional	
Loop: IT1	**Elements: 2**

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	**Element Name**	<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: 1112, Included: 1)

<u>Code</u>	<u>Name</u>
011	Shipped

DTM02	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

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.

User Note 1:

If header level Ship Date (DTM02, when DTM01 = 011) is not provided, a ship date is required for each line item

Optional if BIG07 = CR

TDS Total Monetary Value Summary

<table>
<tr><td>Pos: 010</td><td>Max: 1</td></tr>
<tr><td colspan="2">Summary - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 1</td></tr>
</table>

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)*

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.

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

User Note 1:

All X12/EDI codes should be allowed for EDI clients

Code list will be enforced for SPS Fulfillment Portal clients

CodeList Summary (Total Codes: 74, Included: 1)

Code	Name
GS	Goods and Services Tax

Ref	Id	Element Name	Req	Type	Min/Max	Usage
TXI02	782	**Monetary Amount**	M	R	1/18	Must use

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.

CAD **Carrier Detail**

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

Pos: 030   **Max: 1**

Summary - Optional

Loop: N/A   **Elements: 1**

</div>

User Option (Usage): Used

Purpose: To specify transportation details for the transaction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CAD05	387	**Routing**	M	AN	1/35	Must use

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: 040	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:

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

SAC Service, Promotion, Allowance, or Charge Information

Pos: 040	**Max: 1**
Summary - Optional	
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

User Note 1:
All X12/EDI codes should be allowed for EDI clients

Code list will be enforced for SPS Fulfillment Portal clients

CodeList Summary (Total Codes: 1019, Included: 24)

Code	Name
A010	Absolute Minimum Charge
A170	Adjustments
A260	Advertising Allowance
A480	Assembly
B050	Certification
B090	Charges Forward/Advance Charge
B800	Credit
B870	Customs Charge
B950	Damaged Merchandise
C000	Defective Allowance
C010	Deficit Freight
C310	Discount
C530	Duty Charge
C940	Export/Import Charge
D240	Freight
D260	Fuel Charge
D340	Goods and Services Charge
F170	Pallet Exchange Charge
F800	Promotional Allowance

		Code **Name**					
		F970 Rebate					
		G470 Restocking Charge					
		G740 Service Charge					
		G830 Shipping and Handling					
		I530 Volume Discount					
SAC05	610	**Amount**	M	N2	1/15	Must use
		Description: Monetary amount					
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.

Comments:

1.

CTT **Transaction Totals**

Pos: 070   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**	M	N0	1/6	Must use

        Description: Total number of line items 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.

SE Transaction Set Trailer

Pos: 080	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

Comments:

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