810 Invoice - Vendor Direct

Version: X12 4010

Author: SPS Commerce

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Trading Partner:

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.

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
050	REF	Reference Identification	M	1			Must use
LOOP ID - N1					1		
070	N1	Name	M	1			Must use
090	N3	Address Information	O	1			Used
100	N4	Geographic Location	O	1			Used
130	ITD	Terms of Sale/Deferred Terms of Sale	O	1			Used
140	DTM	Date/Time Reference	O	1			Used
150	FOB	F.O.B. Related Instructions	O	1			Used

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	O	1			Used
LOOP ID - SAC					25		
180	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	TDS	Total Monetary Value Summary	M	1			Must use
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.

ST   Transaction Set Header

User Option (Usage): Must use

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

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>**BIG**</td><td>**Beginning Segment for Invoice**</td><td>**Pos: 020** **Max: 1**
Heading - Mandatory
Loop: N/A **Elements: 4**</td></tr>
</table>

User Option (Usage): Must use

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				
BIG02	76	**Invoice Number**	M	AN	1/12	Must use
		Description: Identifying number assigned by issuer				
		User Note 1: *Invoice numbers must be no greater than 12 characters and must always be unique*				
BIG03	373	**Date**	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
BIG04	324	**Purchase Order Number**	M	AN	7/8	Must use
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser				
		User Note 1: *PO number must be 7 - 8 digits, all numeric, not begin with a zero and must match what was sent on the 850*				

Semantics:

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

REF Reference Identification

Pos: 050   Max: 1
Heading - Mandatory
Loop: N/A   Elements: 2

User Option (Usage): Must use

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

Code	Name
IA	Internal Vendor Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	M	AN	2/6	Must use

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

User Note 1: *Vendor number is mandatory, 2 - 6 digits, all numeric, not begin with a zero and must match what was sent on the 850*

Loop N1

<table>
<tr><td>Pos: 070</td><td>Repeat: 1</td></tr>
<tr><td colspan="2" align="center">Optional</td></tr>
<tr><td>Loop: N1</td><td>Elements: N/A</td></tr>
</table>

User Option (Usage): Used

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	O	1		Used
100	N4	Geographic Location	O	1		Used

N1   Name

Pos: 070   **Max: 1**
Heading - Mandatory
Loop: N1   **Elements: 2**

User Option (Usage): Must use

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
All valid standard codes are used.

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

Description: Free-form name

N3 Address Information

Pos: 090   Max: 1
Heading - Optional
Loop: N1   Elements: 2

User Option (Usage): Used

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

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

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

</div>

User Option (Usage): Used

To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Used

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**	O	ID	3/15	Used

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

ITD Terms of Sale/Deferred Terms of Sale

Pos: 130	**Max: 1**
Heading - Optional	
Loop: N/A	**Elements: 7**

User Option (Usage): Used

To specify terms of sale

User Note 1:
If Terms Discount Percent or Terms Discount Amount are sent, both Terms Discount Due Date and Terms Net Due Date are required. Terms Net Due Date must be greater than or equal to Terms Discount Due Date.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD01	336	**Terms Type Code**	O	ID	2/2	Used

Description: Code identifying type of payment terms

Code	Name
01	Basic
05	Discount Not Applicable
08	Basic Discount Offered
14	Previously agreed upon

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

Description: Code identifying the beginning of the terms period

Code	Name
2	Delivery Date
3	Invoice Date
15	Receipt of Goods

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD04	370	**Terms Discount Due Date**	X	DT	8/8	Used

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD06	446	**Terms Net Due Date**	O	DT	8/8	Used

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD08	362	**Terms Discount Amount**	O	N2	1/10	Used

Description: Total amount of terms discount

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

DTM   Date/Time Reference

Pos: 140   **Max: 1**
Heading - Optional
Loop: N/A   Elements: 2

User Option (Usage): Used

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

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

FOB F.O.B. Related Instructions

User Option (Usage): Used

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
All valid standard codes are used.

Semantics:

1. FOB01 indicates which party will pay the carrier.

Loop IT1

Pos: 010	**Repeat: 200000**
Mandatory	
Loop: IT1	**Elements: N/A**

User Option (Usage): Must use

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	O		1	Used
180		Loop SAC	O		25	Used

IT1   Baseline Item Data (Invoice)

<div style="text-align:right">

Pos: 010   **Max: 1**
Detail - Mandatory
Loop: IT1   **Elements: 12**

</div>

User Option (Usage): Must use

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**	O	AN	1/20	Used

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	1/10	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

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.

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)

Code	Name
EN	European Article Number (EAN) (2-5-5-1)

     User Note 1:
     If this qualifier is sent, the EAN number must be 13 digits

Code	Name
SK	Stock Keeping Unit (SKU)

     User Note 1:
     If sent must be 6 - 9 digits, all numeric and not begin with a zero

Code	Name
UP	U.P.C. Consumer Package Code (1-5-5-1)

     User Note 1:
     If this qualifier is sent, the UPC number must be 12 digits

Code	Name
VN	Vendor's (Seller's) Item Number

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)

Code	Name
EN	European Article Number (EAN) (2-5-5-1)

     User Note 1:
     If this qualifier is sent, the EAN number must be 13 digits

		SK	Stock Keeping Unit (SKU)			

User Note 1:
If sent must be 6 - 9 digits, all numeric   and not begin with a zero

| | | UP | U.P.C. Consumer Package Code (1-5-5-1) | | | |

User Note 1:
If this qualifier is sent, the UPC number must be 12 digits

| | | VN | Vendor's (Seller's) Item 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)

<u>Code</u>	<u>Name</u>
EN	European Article Number (EAN) (2-5-5-1)

User Note 1:
If this qualifier is sent, the EAN number must be 13 digits

| SK | Stock Keeping Unit (SKU) |

User Note 1:
If sent must be 6 - 9 digits, all numeric   and not begin with a zero

| UP | U.P.C. Consumer Package Code (1-5-5-1) |

User Note 1:
If this qualifier is sent, the UPC number must be 12 digits

| VN | Vendor's (Seller's) Item Number |

IT111	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

IT112	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)

<u>Code</u>	<u>Name</u>
EN	European Article Number (EAN) (2-5-5-1)

User Note 1:
If this qualifier is sent, the EAN number must be 13 digits

| SK | Stock Keeping Unit (SKU) |

User Note 1:
If sent must be 6 - 9 digits, all numeric   and not begin with a zero

| UP | U.P.C. Consumer Package Code (1-5-5-1) |

User Note 1:
If this qualifier is sent, the UPC number must be 12 digits

| VN | Vendor's (Seller's) Item Number |

IT113	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.

Semantics:

1. IT101 is the purchase order line item identification.

Loop PID

<table>
<tr><td>Pos: 060</td><td>Repeat: 1</td></tr>
<tr><td colspan="2" align="center">Optional</td></tr>
<tr><td>Loop: PID</td><td>Elements: N/A</td></tr>
</table>

User Option (Usage): Used

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	O	1		Used

PID   Product/Item Description

User Option (Usage): Used

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

Code	Name
F	Free-form

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID02	750	**Product/Process Characteristic Code**	O	ID	2/3	Used

Description: Code identifying the general class of a product or process characteristic

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

Loop SAC

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

Loop Summary:

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

SAC Service, Promotion, Allowance, or Charge Information

Pos: 180   Max: 1
Detail - Optional
Loop: SAC   Elements: 4

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

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	ID	4/4	Must use

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

Code	Name
A122	Additional Tariff Classifications
A260	Advertising Allowance
B872	Customs Duty
C300	Discount - Special
D170	Free Goods
D240	Freight
D360	Goods and Services Tax Charge

User Note 1:
International Tax/Fees

Code	Name
D500	Handling
F050	Other (See related description)
F800	Promotional Allowance
G830	Shipping and Handling
H740	Tax - Sales and Use
H750	Tax - Sales Tax (State and Local)
H800	Tax - Value Added Tax (VAT)
I590	Warranties

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

Description: Monetary amount

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC15	352	**Description**	O	AN	1/80	Used

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

Semantics:

1. SAC05 is the total amount for the service, promotion, allowance, or charge.

TDS Total Monetary Value Summary

Pos: 010	**Max:** 1
Summary - Mandatory	
Loop: N/A	**Elements:** 4

User Option (Usage): Must use

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				
TDS02	610	**Amount**	O	N2	1/15	Used
		Description: Monetary amount				
TDS03	610	**Amount**	O	N2	1/15	Used
		Description: Monetary amount				
TDS04	610	**Amount**	O	N2	1/15	Used
		Description: Monetary amount				

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.

Loop SAC

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

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

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

Code	Name
A	Allowance
C	Charge

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	ID	4/4	Must use

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

Code	Name
A122	Additional Tariff Classifications
A260	Advertising Allowance
B872	Customs Duty
C000	Defective Allowance
C310	Discount
D170	Free Goods
D240	Freight
D360	Goods and Services Tax Charge

User Note 1:
International Tax/Fees

Code	Name
D500	Handling
F050	Other (See related description)
F800	Promotional Allowance
G830	Shipping and Handling
H740	Tax - Sales and Use
H750	Tax - Sales Tax (State and Local)
H800	Tax - Value Added Tax (VAT)
I590	Warranties

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

Description: Monetary amount

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC15	352	**Description**	O	AN	1/80	Used

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

Semantics:

    1. SAC05 is the total amount for the service, promotion, allowance, or charge.

CTT Transaction Totals

<table>
<tr><td></td><td>Pos: 070</td><td>Max: 1</td></tr>
<tr><td></td><td colspan="2">Summary - Optional</td></tr>
<tr><td>Loop: N/A</td><td></td><td>Elements: 1</td></tr>
</table>

User Option (Usage): Used

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

Comments:

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

SE   Transaction Set Trailer

<table>
<tr><td>Pos: 080</td><td>Max: 1</td></tr>
<tr><td colspan="2">Summary - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

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)

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

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.