

810 Invoice

X12/V4010/810: 810 Invoice

Version: 3.1 Final

Company: Insight Direct USA, Inc.
Modified: 11/24/2025

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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BIG	Beginning Segment for Invoice	M	1			Must use
030	NTE	Note/Special Instruction	O	100			Used
040	CUR	Currency	M	1			Must use
050	REF	Reference Identification	O	4			Used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - IT1					200000		
010	IT1	Baseline Item Data (Invoice)	M	1			Must use
040	TXI	Tax Information	O	3			Used
120	REF	Reference Identification	O	4			Used

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	TDS	Total Monetary Value Summary	M	1			Must use
020	TXI	Tax Information	O	4			Used
LOOP ID - SAC					2		
040	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
070	CTT	Transaction Totals	M	1		N3/070	Must use
080	SE	Transaction Set Trailer	M	1			Must use

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

Element Summary:

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

Description: Code uniquely identifying a Transaction Set

Code List Summary (Total Codes: 298, Included: 1)

Code Name

810 Invoice

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

BIG Beginning Segment for Invoice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BIG01	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						
Insight Note: <i>Invoice Date</i>						
BIG02	76	Invoice Number	M	AN	1/22	Must use
Description: Identifying number assigned by issuer						
BIG03	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						
Insight Note: <i>Insight Purchase Order Date</i>						
BIG04	324	Purchase Order Number	M	AN	1/22	Must use
Description: Identifying number for Purchase Order assigned by the orderer/purchaser						
Insight Note: <i>Insight Purchase Order Number</i>						
BIG07	640	Transaction Type Code	M	ID	2/2	Must use
Description: Code specifying the type of transaction						
Code List Summary (Total Codes: 446, Included: 2)						
Code Name						
CR Credit Memo						
DI Debit Invoice						

Example:

*BIG*20060424*9929293*20060420*5000002341***DI*

NTE Note/Special Instruction

Pos: 030	Max: 100
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
NTE01	363	Note Reference Code	M	ID	3/3	Must use

Description: Code identifying the functional area or purpose for which the note applies

Code List Summary (Total Codes: 241, Included: 1)

<u>Code</u>	<u>Name</u>
INV	Invoice Instruction

NTE02	352	Description	M	AN	1/80	Must use
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Description: A free-form description to clarify the related data elements and their content

Example:

*NTE*INV*THIS IS WHERE INVOICE NOTES WOULD GO*

CUR Currency

Pos: 040	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CUR01	98	Entity Identifier Code	M	ID	2/3	Must use

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

Code List Summary (Total Codes: 1312, Included: 1)

Code Name

BY Buying Party (Purchaser)

CUR02	100	Currency Code	M	ID	3/3	Must use
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Description: Code (Standard ISO) for country in whose currency the charges are specified

Example:

CUR*BY*USD
CUR*BY*CAD

REF Reference Identification

Pos: 050	Max: 4
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To specify identifying information

Element Summary:

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

Description: Code qualifying the Reference Identification

Code List Summary (Total Codes: 1503, Included: 4)

Code Name

8V Credit Reference

Insight Note:

This is used for miscellaneous credit memos for items other than returns, bids and price protection.

BD Bid Number

Insight Note:

This is used for rebate credit memos. It is the bid number that is issued to Insight by the vendor.

PI Price List Change or Issue Number

Insight Note:

This is the price protection reference issued to Insight by the vendor.

RZ Returned Goods Authorization Number

Insight Note:

This is the return authorization number issued to Insight by the vendor.

REF02	127	Reference Identification	M	AN	1/30	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Insight Note:

If the document is a credit memo (BIG07 = CR), the REF01 must contain one of the following qualifiers: 8V, BD, PI or RZ. These qualifiers are mutually exclusive.

Example:

REF*BD*82919282

IT1 Baseline Item Data (Invoice)

Pos: 010	Max: 1
Detail - Mandatory	
Loop: IT1	Elements: 9

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

Insight Note: This is the line item number from the original Purchase Order. This number must match the line item number on the original purchase order. This line item number should only appear once on the invoice.

IT102	358	Quantity Invoiced	M	R	1/10	Must use
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Description: Number of units invoiced (supplier units)

IT103	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
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Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code List Summary (Total Codes: 794, Included: 1)

Code Name

EA Each

IT104	212	Unit Price	M	R	1/17	Must use
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Description: Price per unit of product, service, commodity, etc.

IT105	639	Basis of Unit Price Code	M	ID	2/2	Must use
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Description: Code identifying the type of unit price for an item

Code List Summary (Total Codes: 91, Included: 1)

Code Name

CP Current Price (Subject to Change)

IT106	235	Product/Service ID Qualifier	M	ID	2/2	Must use
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 477, Included: 1)

Code Name

BP Buyer's Part Number

IT107	234	Product/Service ID	M	AN	1/48	Must use
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Description: Identifying number for a product or service

IT108	235	Product/Service ID Qualifier	M	ID	2/2	Must use
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 477, Included: 1)

Code Name

VP Vendor's (Seller's) Part Number

IT109 234 **Product/Service ID** M AN 1/48 Must use

Description: Identifying number for a product or service

Example:

*IT1*00010*1*EA*29.99*CP*BP*1000001*VP*452930*

TXI Tax Information

Pos: 040	Max: 3
Detail - Optional	
Loop: IT1	Elements: 3

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

Insight Note:

PS - (PST)Provincial Sales Tax

GS- (GST)Goods and Services Sales Tax

ZZ - Any additional taxes

Code List Summary (Total Codes: 74, Included: 3)

Code Name

GS Goods and Services Tax

PS State or Provincial Tax on Services

ZZ Mutually Defined

TXI02	782	Monetary Amount	M	R	1/18	Must use
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Description: Monetary amount

TXI03	954	Percent	O	R	1/10	Used
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Description: Percentage expressed as a decimal

Insight Note:

The detail TXI segment should only be used by our APAC partners. Any taxes that are sent in this segment should be included in the TDS:01 invoice total amount.

Example:

TXI*PS*1.85
 TXI*GS*11.51
 TXI*ZZ*3.7

REF Reference Identification

Pos: 120	Max: 4
Detail - Optional	
Loop: IT1	Elements: 2

User Option (Usage): Used

Purpose: To specify identifying information

Element Summary:

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

Description: Code qualifying the Reference Identification

Code List Summary (Total Codes: 1503, Included: 4)

Code Name

DO Delivery Order Number

Insight Note:

Vendor's delivery number. This is the BSN02 number from the BSN02. This number is required on all invoices with serialized product.

IV Seller's Invoice Number

Insight Note:

End-User Invoice Number. This is sent on rebate credit requests.

OI Original Invoice Number

Insight Note:

This is used for credit memos or rebills. It is the original invoice assigned to Insight by the vendor.

PO Purchase Order Number

Insight Note:

Insight Purchase Order Number

REF02	127	Reference Identification	M	AN	1/30	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Example:

*REF*IV*788392*

TDS Total Monetary Value Summary

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

User Option (Usage): Must use

Purpose: To specify the total invoice discounts and amounts

Element Summary:

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

Description: Monetary amount

Insight Note: For our US vendors taxes SHOULD NOT be included in the TDS total.

For our CANADA and APAC vendors taxes SHOULD BE included in the TDS total

Example:

TDS*2999

TXI Tax Information

Pos: 020	Max: 4
Summary - Optional	
Loop: N/A	Elements: 3

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

Insight Note:

GS - GST sales tax

SP - Provincial Sales Tax

TX - Harmonized Sales Tax

VA - Value Added Tax

Code List Summary (Total Codes: 74, Included: 4)

Code Name

GS Goods and Services Tax

SP State/Provincial Tax

TX All Taxes

VA Value Added Tax

TXI02	782	Monetary Amount	M	R	1/18	Must use
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Description: Monetary amount

TXI03	954	Percent	O	R	1/10	Used
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Description: Percentage expressed as a decimal

Insight Note:

The summary TXI segment should only be used by our CAN/APAC partners. Any taxes that are sent in this segment should be included in the TDS:01 invoice total amount.

Below is a listing of the various Canadian provinces and the expected TXI:01 value to be returned ; for the Quebec Canadian province, both GST and PST types are mandatory.

Country	Tax Jurisdiction Code	TXI:01 Expected
ALBERTA	GST	GS
BRITISH COLUMBIA	GST	GS
MANITOBA	GST	GS
NEW BRUNSWICK	HST	TX
NEW FOUNDLAND AND LABRADOR	HST	TX
NORTHWEST TERRITORIES	GST	GS
NOVA SCOTIA	HST	TX

<i>NUNAVUT</i>	<i>GST</i>	<i>GS</i>
<i>ONTARIO</i>	<i>HST</i>	<i>TX</i>
<i>PRINCE EDWARD ISLAND</i>	<i>HST</i>	<i>TX</i>
<i>QUEBEC</i>	<i>GST</i>	<i>GS</i>
<i>QUEBEC</i>	<i>PST</i>	<i>SP</i>
<i>SASKATCHEWAN</i>	<i>GST</i>	<i>GS</i>
<i>YUKON</i>	<i>GST</i>	<i>GS</i>

Example:**APAC**

TXI*GS*1.85

TXI*VA*25.10

CAN

TXI*GS*1.85

TXI*SP*3.7

TXI*TX*11.51

SAC Service, Promotion, Allowance, or Charge Information

Pos: 040	Max: 1
Summary - Optional	
Loop: SAC	Elements: 5

User Option (Usage): Used

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

Element Summary:

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

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

Code List Summary (Total Codes: 7, Included: 3)

Code Name

- A Allowance
- C Charge
- N No Allowance or Charge

SAC02	1300	Service, Promotion, Allowance, or Charge Code	M	ID	4/4	Must use
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Description: Code identifying the service, promotion, allowance, or charge

Code List Summary (Total Codes: 1053, Included: 2)

Code Name

- D240 Freight
- G470 Restocking Charge

SAC05	610	Amount	M	N2	1/15	Must use
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Description: Monetary amount

SAC12	331	Allowance or Charge Method of Handling Code	M	ID	2/2	Must use
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Description: Code indicating method of handling for an allowance or charge

Code List Summary (Total Codes: 22, Included: 2)

Code Name

- 02 Off Invoice
- 06 Charge to be Paid by Customer

SAC15	352	Description	M	AN	1/80	Must use
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Description: A free-form description to clarify the related data elements and their content

Example:

SAC*C*D240***5*****06***FREIGHT

CTT Transaction Totals

Pos: 070	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 1

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items	M	NO	1/6	Must use

Description: Total number of line items in the transaction set

Example:

*CTT*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:

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