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
040	CUR	Currency	O	1			Must use
LOOP ID - N1					**200**		
070	N1	Name	O	1			Used
090	N3	Address Information	O	2			Used
100	N4	Geographic Location	O	1			Used
130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - IT1					**200000**		
010	IT1	Baseline Item Data (Invoice)	O	1			Must use
050	CTP	Pricing Information	O	25			Must use
LOOP ID - PID					**1000**		
060	PID	Product/Item Description	O	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	10			Used
LOOP ID - SAC					**25**		
040	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
070	CTT	Transaction Totals	O	1			Used
080	SE	Transaction Set Trailer	M	1			Must use

ST Transaction Set Header

<table>
<tr><td>Pos: 010</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>

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	Not used

Code	Name
810	Invoice

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	329	Transaction Set Control Number	M	AN	4/9	Not used

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**

<div style="border:1px solid black">
Pos: 020   Max: 1
Heading - Mandatory
Loop: N/A   Elements: 4
</div>

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
BIG02	76	Invoice Number	M	AN	1/22	Must use
BIG04	324	Purchase Order Number	O	AN	1/22	Must use
BIG07	640	Transaction Type Code	O	ID	2/2	Must use

Code	Name
DI	Debit Invoice

Semantics:

1.   BIG01 is the invoice issue date.

Comments:

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

CUR Currency

<table>
<tr><td>Pos: 040</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

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

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

N1 Name

Pos: 070 Max: 1
Heading - Optional
Loop: N1 Elements: 2

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

Code	Name
RE	Party to receive commercial invoice remittance
ST	Ship To

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

Syntax:

R0203 -- At least one of N102 or N103 is required.
P0304 -- If either N103 or N104 are present, then the others are 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.

N3 Address Information

<table>
<tr><td>Pos: 090</td><td>Max: 2</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N1</td><td>Elements: 2</td></tr>
</table>

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
N302	166	Address Information	O	AN	1/55	Used

N4 Geographic Location

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

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**
N402	**156**	**State or Province Code**	**O**	**ID**	**2/2**	**Used**
N403	**116**	**Postal Code**	**O**	**ID**	**3/15**	**Used**
N404	**26**	**Country Code**	**O**	**ID**	**2/3**	**Used**

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

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

Pos: 130 **Max: >1**
Heading - Optional
Loop: N/A **Elements: 6**

</div>

To specify terms of sale

Element Summary:

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

Code	Name
05	Discount Not Applicable
08	Basic Discount Offered

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

Code	Name
3	Invoice Date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD03	**338**	**Terms Discount Percent**	**O**	**R**	**1/6**	**Used**
ITD05	**351**	**Terms Discount Days Due**	**C**	**N0**	**1/3**	**Not used**
ITD07	**386**	**Terms Net Days**	**O**	**N0**	**1/3**	**Used**
ITD12	**352**	**Description**	**O**	**AN**	**1/80**	**Not used**

Syntax:

L03040513 -- If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.

Comments:

1. If the code in ITD01 is "05", then ITD06 or ITD07 is required.

IT1 Baseline Item Data (Invoice)

Pos: 010   Max: 1
Detail - Optional
Loop: IT1   Elements: 10

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**	**Must use**
		User: Invoice Line Number				
IT102	**358**	**Quantity Invoiced**	**C**	**R**	**1/10**	**Must use**
IT103	**355**	**Unit or Basis for Measurement Code**	**C**	**ID**	**2/2**	**Must use**
IT104	**212**	**Unit Price**	**C**	**R**	**1/17**	**Must use**
IT106	**235**	**Product/Service ID Qualifier**	**C**	**ID**	**2/2**	**Must use**

Code	Name
PL	Purchaser's Order Line Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT107	**234**	**Product/Service ID**	**C**	**AN**	**1/48**	**Must use**
IT110	**235**	**Product/Service ID Qualifier**	**C**	**ID**	**2/2**	**Used**

Code	Name
BP	Buyer's Part Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT111	**234**	**Product/Service ID**	**C**	**AN**	**1/48**	**Used**
IT112	**235**	**Product/Service ID Qualifier**	**C**	**ID**	**2/2**	**Used**

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IT113	**234**	**Product/Service ID**	**C**	**AN**	**1/48**	**Used**

Syntax:

P020304 -- If either IT102, IT103 or IT104 are present, then the others are required.
P0607 -- If either IT106 or IT107 are present, then the others are required.
P0809 -- If either IT108 or IT109 are present, then the others are required.
P1011 -- If either IT110 or IT111 are present, then the others are required.
P1213 -- If either IT112 or IT113 are present, then the others are required.

CTP Pricing Information

<table>
<tr><td>Pos: 050</td><td>Max: 25</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: IT1</td><td>Elements: 2</td></tr>
</table>

To specify pricing information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP02	236	Price Identifier Code	C	ID	3/3	Must use

Code	Name
TOT	Total Invoice Amount Due

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTP03	212	Unit Price	C	R	1/17	Must use

PID   Product/Item Description

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

Pos: 060   Max: 1
Detail - Optional
Loop: PID   Elements: 2

</div>

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**

		Code	Name				
		F	Free-form				

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID05	**352**	**Description**	**C**	**AN**	**1/80**	**Used**

Syntax:

R0405 -- At least one of PID04 or PID05 is required.

Comments:

1. If PID01 equals "F", then PID05 is used.

TDS Total Monetary Value Summary

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

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**

Semantics:

1. TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).

TXI Tax Information

<table>
<tr><td>Pos: 020</td><td>Max: 10</td></tr>
<tr><td colspan="2">Summary - Optional</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

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
TXI02	782	Monetary Amount	C	R	1/18	Used

Syntax:

R020306 -- At least one of TXI02, TXI03 or TXI06 is required.

Semantics:

1.   TXI02 is the monetary amount of the tax.

SAC Service, Promotion, Allowance, or Charge Information

<div>

Pos: 040   **Max: 1**
Summary - Optional
Loop: SAC   **Elements: 3**

</div>

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**

Code	Name
C	Charge

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

Code	Name
D240	Freight
F180	Pallet
G760	Set-up

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

Syntax:

R0203 -- At least one of SAC02 or SAC03 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.

CTT Transaction Totals

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

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**

Semantics:

1.   Number of line items (CTT01) is the accumulation of the number of IT1 segments.

Comments:

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

SE   Transaction Set Trailer

| Pos: 080   Max: 1 |
| Summary - Mandatory |
| Loop: N/A   Elements: 2 |

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**
SE02	329	**Transaction Set Control Number**	M	AN	4/9	**Must use**

Comments:

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