

810 INVOICE

Version 4010

Functional Group = IN

This Standard 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 Use</u>	<u>Max</u>	<u>Repeat</u>
010	ST	Transaction Set Header	M	1	
020	BIG	Beginning Segment for Invoice	M	1	
040	CUR	Currency	O	1	
050	REF	Reference Identification	O	12	
LOOP ID – N1			O		200
070	N1	Name	O	1	
090	N3	Address Information	O	2	
100	N4	Geographic Location	O	1	
130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1	

Detail:

<u>Pos</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req Use</u>	<u>Max</u>	<u>Repeat</u>
LOOP ID – IT1			M		100000
010	IT1	Baseline Item Data (Invoice)	M	1	
LOOP ID – PID			M		1000
060	PID	Product/Item Description	M	1	
150	DTM	Date/Time Reference	O	10	

Summary:

<u>Pos</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req Use</u>	<u>Max</u>	<u>Repeat</u>
010	TDS	Total Monetary Value Summary	M	1	
030	CAD	Carrier Detail	M	1	
LOOP ID – SAC			O		25
040	SAC	Service,Promotion,Allowance,or Charge	O	1	
070	CTT	Transaction Totals	O	1	
080	SE	Transaction Set Trailer	M	1	

ST Transaction Set Header

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

EDI Example:
ST~810~0001^

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Code uniquely identifying a Transaction Set
ST02	329	Transaction Set Control Number	M	AN	4/9	Unique control number within the functional group Must match SE02

BIG Beginning Segment for Invoice

To indicate the beginning of the Invoice Transaction Set and transmit identifying numbers and dates.

EDI Example:

BIG~20020506~12345678~20020502~8145678~~~DI^

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
BIG01	373	Invoice Date	M	DT	8/8	Date of Invoice Format = CCYYMMDD
BIG02	76	Invoice Number	M	AN	1/22	Unique Identifying number for Invoice
BIG04	324	Purchase Order Number	M	AN	1/22	AHR Purchase order number
BIG07	640	Transaction Type Code	O	ID	2/2	Transaction Type DI = Invoice

CUR Currency

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

EDI Example:

CUR~SE~USD^

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
CUR01	98	Entity Identifier Code	O	ID	2/3	Code identifying an individual SE – Selling party
CUR02	100	Currency Code	O	AN	3/3	Country code in whose currency the charges are specified USD –U S Dollars

REF Reference Identification

To specify identifying information

EDI Example:

REF~VN~6102601^

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
REF01	128	Reference ID Qualifier	O	ID	2/3	Code qualifying the Reference ID VN – Vendor Order number
REF02	127	Reference Identification	C	AN	1/30	Reference information as defined by the REF01 qualifier

N1 Name

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

EDI Example:

N1~SU~ABC CORPORATION~92~D7L^

AHR NOTE: AHR supplier code is required in the N104 segment in the loop with the “SU” qualifier.

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
N101	98	Entity Identifier Code	M	ID	2/3	Code identifying an organization or location ST - Ship To RI - Remit To BT -Bill To SU -Supplier/Mfg.
N102	93	Name	C	AN	1/60	Free form name
N103	66	Identification Code Qualifier	C	ID	1/2	ID qualifier 92 –supplier code or ship to customer number
N104	67	ID Code	C	AN	2/80	AHR Supplier code(SU loop)Mand. AHR Customer no. (ST loop)Optional

N3 Address Information

To specify the location of the named party

EDI Example:

N3~100 S. MILWAUKEE RD.~SUITE 200^

AHR NOTE: Not required for SU loop

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
N301	166	Address Information	M	AN	1/55	Address Information
N302	166	Address Information	O	AN	1/55	Additional Address Information

N4 Geographic Location

To specify the geographic place of the named party

EDI Example:

N4~CHICAGO~IL~60608^

AHR NOTE: Not required for SU loop

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
N401	19	City Name	O	AN	2/30	Free-form text for city name
N402	156	State or Province Code	O	ID	2/2	State Code as defined by government agency
N403	116	Postal Code	O	ID	3/15	Zip code (excluding punctuation and blanks)

ITD Terms of Sale

This segment is used to specify the terms of the sale.
Multiple iterations of this segment will be used for secondary terms or installments.

EDI Example:

ITD~08~3~2~10~30~~~~2%10/N30^

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
ITD01	336	Terms Type Code	O	ID	2/2	Code identifying type of payment terms 01 -Basic 02 -EOM 03 -Fixed Date 04 -Installment 08 -Basic Discount 09 - Proximo
ITD02	333	Terms Basis Date Code	O	ID	1/2	Code identifying the beginning of the terms period 3 - Invoice Date 4 -Specified Date
ITD03	338	Terms Discount Percent	O	R	1/6	Discount % available if invoice is paid on or before Disc. Due Date
ITD04	370	Terms Discount Due Date	C	DT	8/8	Date payment is due if Discount is to be earned Format = CCYYMMDD
ITD05	351	Terms Discount Days Due	C	N0	1/3	Number of days in the Terms discount period
ITD06	446	Terms Net Due Date	O	DT	8/8	Date when total invoice amount Due Format = CCYYMMDD
ITD07	386	Terms Net Days	O	N0	1/3	Number of days until total invoice amount is due
ITD11	342	Percent of Invoice Payable	C	N0	1/3	Percent of invoice payable in installments (term=ITD07)
ITD12	352	Description	O	AN	1/80	Free-form description to clarify the terms

IT1 Baseline Item Data

To specify line item data

EDI Example:

IT1~10~2~EA~31.95~~BP~XYZ1234~VN~12345HB^

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
IT101	350	Assigned Identification	M	AN	1/20	AHR line number
IT102	358	Quantity Invoiced	C	R	1/10	Quantity invoiced
IT103	355	Unit or Basis for Measurement Code	C	ID	2/2	Code specifying the unit of measurement EA - Each PR - Pair CA - Case
IT104	212	Unit Price	C	R	1/17	Price per unit of product
IT106	235	Product ID Qualifier	C	ID	2/2	Code identifying the source of the Product ID BP - Buyer's Part#
IT107	234	Product/Service ID	C	AN	1/48	Identifying number for a product (AHR item number)
IT108	235	Product ID Qualifier	C	ID	2/2	Identification code VN - Vendor's Item Number
IT109	234	Product/Service ID	C	AN	1/48	Identifying number for a product (Vendor Item No.)

PID Product / Item Description

To describe a product in free-form format

EDI Example:

PID~F~~~~ LUGGAGE CART 23"W X 71"H X 43"L^

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
PID01	349	Item Description Type	M	ID	1/1	Code indicating the format of a description F – Free-form
PID05	352	Description	M	AN	1/80	A Free-form product description

DTM Date/Time Reference

To specify pertinent dates at the item level

EDI Example:

DTM~011~20020128^

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
DTM01	374	Date/Time Qualifier	O	ID	3/3	Code specifying type of date 011 – Shipped date
DTM02	373	Date	O	DT	8/8	Date format = CCYYMMDD

TDS Total Monetary Value Summary

To specify the total invoice discounts and amounts

EDI Example:
TDS~265380^

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
TDS01	610	Amount	M	N2	1/15	Total invoice amt. (Incl. Charges and Before discount if applicable)

CAD

Carrier Detail

To specify transportation details for the transaction

EDI Example:

CAD~~~~RDWY~4616546954~~BM~4616546954^

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
CAD04	140	Standard Carrier Alpha Code	M	ID	2/4	SCAC Code
CAD05	387	Routing	O	AN	1/35	Carrier's Pro #
CAD07	128	Reference ID Qualifier	M	ID	2/3	BM -Bill of lading
CAD08	127	Reference Identification	M	AN	1/30	Bill of lading number

SAC Service, Promotion, Allowance, or Charge Information

To identify a charge; to specify the amount or percentage for the charge

EDI Example:

SAC~C~D240~~~15000^

AHR NOTE: SAC02 =Suggested values, will accept ANSI authorized codes

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
SAC01	248	Allowance or Charge indicator	M	ID	1/1	C - Charge
SAC02	1300	Service, Promotion, Allowance or charge code	C	ID	4/4	D240 -Freight fee F460 -Postage fee D920 -Insurance fee A172 -Admin fee E070 -Invoice fee
SAC05	610	Amount	C	N2	1/15	Charge amount (implied 2 pos. decimal)

CTT Transaction Totals

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

EDI Example:
CTT~3~8^

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
CTT01	354	Number of line items	M	N0	1/6	Total number of line items (IT1 segments) in the transaction set
CTT02	347	Hash total	O	R	1/10	Sum of the values of the IT102 elements

SE Transaction Set Trailer

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning [ST] and ending [SE] segments)

EDI Example:
SE~37~0001^

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
SE01	96	Number of included segments	M	N0	1/10	Total number of segments (incl. ST and SE)
SE02	329	Transaction set control number	M	AN	4/9	Unique identifying control number within the transaction set functional group Must match ST02

Example Transaction

ST~810~0029^
BIG~20020512~123456789~~8145678~~~DI^
CUR~SE~USD^
REF~VN~AH346758^
N1~ST~MY HOTEL CUSTOMER~92~32244HIN^
N3~150 W. MAPLE ST.^
N4~ANYTOWN~NY~60100^
N1~BT~AMERICAN HOTEL REGISTER^
N3~100 S. MILWAUKEE RD.^
N4~VERNON HILLS~IL~60061^
N1~SU~LINEN MFG. CORP.~92~L7G^
N3~123 INDUSTRIAL AVE.^
N4~NEWARK~NJ~21045^
N1~RI~LINEN MFG CORP^
N3~100 S. CORPORATE DR^
N4~NEW YORK~NY~10056^
ITD~09~4~2~20020215~~~~~2% 15TH PROXIMO^
IT1~10~4~CS~32.86~~VN~1679438-536^
PID~F~~~~RUG 20 X 20 WT^
DTM~011~20020602^
IT1~20~6~DZ~25.15~~VN~1689560-231^
PID~F~~~~20X15 HAND TOWELS HG^
DTM~011~20020602^
TDS~28234^
CAD~~~~ABFS~4616546954~~BM~42314561^
SAC~C~D240~~~568^
CTT~2~10^
SE~29~0029^