

**810 - INVOICE - 004010**

updated 02/11/2008, 03/19/08

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. No.	Seg. ID	Name	Req. Des.	Max Use	Loop Repeat
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
060	PER	Administrative Communications Contact	O		3
LOOP ID - N1					200
070	N1	Name	M		1
090	N3	Address Information	O		2
100	N4	Geographic Location	O		1
130	ITD	Terms of Sale/Deferred Terms of Sale	O		>1
140	DTM	Shipping Point Origin	O		1
150	FOB	F.O.B. Related Instructions	O		1

DETAIL:

Pos. No.	Seg. ID	Name	Req. Des.	Max Use	Repeat
LOOP ID - IT1					200000
010	IT1	Baseline Item Data (Invoice)	O		1
050	CTP	Pricing Information	O		25
LOOP ID - PID					1000
060	PID	Product/Item Description	O		1
120	REF	Reference Identification	O		>1

SUMMARY:

010	TDS	Total Monetary Value Summary	M		1
020	TXI	Tax Information	O		10
030	CAD	Carrier Details	O		1
LOOP ID - SAC					25
040	SAC	Service, Promotion, Allowance, or Charge Information	O		1
070	CTT	Transaction Totals	M		1
080	SE	Transaction Set Trailer	M		1

HEADING

Segment: ST **Transaction Set Header**
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set Refer to 4010 Data Element Dictionary for acceptable code values	M	ID	3/3
ST02	329	Transaction Set Control Number Identifying control number assigned by the originator for a transaction set ST*810*003540001	M	AN	4/9

Segment: BIG **Beginning Segment for Invoice**
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Invoice Transaction Set and transmit identifying numbers and dates

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
BIG01	373	Date Invoice Issue Date expressed as CCYYMMDD	M	DT	8/8
BIG02	76	Invoice Number Identifying number assigned by issuer	M	AN	1/22
BIG03	373	Date Date assigned by the purchaser to the purchase order expressed as CCYYMMDD	O	DT	8/8
BIG04	324	Purchase Order Number Anixter purchase order number Always send Anixter Purchase Order Number. not Do append any other characters such as release #	M	AN	1/22
BIG05	**Note** 328	Release Number Release Number against a PO	O	AN	30-Jan
BIG07	640	Transaction Type Code Code specifying the type of transaction CR Credit Memo; DR - Debit Memo BIG*20011205*12914740*20011204*393998*REL2**DR	M	ID	2/2

Segment: NTE **Note Special Instructions**
Position: 30
Loop:
Level: Heading
Usage: Optional
Max Use: 100
Purpose: For sending special instructions and notes

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
NTE01	363	Note Special Instructions INV - Invoice message CAD - Lot Billing	O	ID	3/3
NTE02	352	Description NTE*INV*FREE FORM MESSAGE NTE*CAD*LOT BILLING	M	AN	1/80

Segment: CUR **Currency**
Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a translation.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
CUR01	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual * BY - Buying Party (Purchaser) SE - Selling Party **NOTE** Unless otherwise specified CUR01 = BY	M	ID	2/3
CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified CAD Canadian Dollar MXP Mexican Peso * USD U.S. Dollar **NOTE** Unless otherwise specified CUR02 = USD CUR*SE*USD	M	ID	3/3

Segment: REF Reference Identification**Position:** 050**Loop:****Level:** Heading**Usage:** Optional**Max Use:** 12**Purpose:** To specify identifying information**Syntax****Notes:****Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
REF01	128	Reference Identification Qualifier BM Billing of Lading Number CO Customer Order Number CN Pro Number IT Internal Customer Account Number LT Lot Number PD Promotional/Deal Number PR Price Quote Number	M	ID	2/3
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier REF*CN*2584	X	AN	1/30

Segment: PER Administrative Communications Contact**Position:** 060**Loop:****Level:** Heading**Usage:** Optional**Max Use:** 3**Purpose:** To identify a person or office to whom administrative communications should be directed**Notes:****Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
PER01	366	Contact Function Code IC Information Contact	O	ID	2/2
PER02	93	Vendor Name Free-form Name	O	AN	1/60
PER03	365	Communication Number Qualifier TE Telephone (Contact)	O	ID	2/2
PER04	364	Communication Number Vendor Phone number	O	AN	1/80
PER05	365	Communication Number Qualifier FX Facsimile	O	ID	2/2
PER06	364	Communication Number Vendor Fax number	O	AN	1/60
PER07	365	Communication Number Qualifier EM Electronic Mail	O	ID	1/2
PER08	364	Communication Number Vendor Email	O	AN	2/80

Segment: N1 Name**Position:** 070**Loop:** N1**Level:** Heading**Usage:** Mandatory**Max Use:** 1**Purpose:** To identify a party by type of organization, name, and code.

Notes:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual. BY Buying Party (Purchaser) Optional SE Selling Party Mandatory RM Party that remits payment Optional RE Remit to Party Optional BT Bill to Party Mandatory ST Ship to Mandatory	M	ID	2/3
N102	93	Name Free-form Name	M	ID	1/60
N103	66	Identification Code Qualifier 92 Assigned by Buyer or Buyer's Agent	M	ID	1/2
N104	67	Identification Code BT Anixter Branch Number BY Anixter Branch Number SE Vendor number from Anixter internal system ST Anixter Branch Number unless Drop Ship then Null	M	ID	2/80
Note: If N1 = ST then N3 and N4 are mandatory.					
N1*BT*Anixter, Inc.*92*52					
N1*SE*Vendor					
Name*92*8547					
N1*ST*Anixter, Inc.*92*52					

Segment: N3 **Address Information**
Position: 090
Loop: N1
Level: Heading
Usage: Optional unless N1 = ST then Mandatory
Max Use: 2
Purpose: To specify the location of the named party.
Notes:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
N301	166	Address Information Address Information	M	AN	1/55
N302	166	Address Information Address Information	O	AN	1/55
N3*515 INTERNATIONAL DRIVE*OFF HIGHWAY 78					

Segment: N4 **Geographic Location**
Position: 100
Loop: N1
Level: Heading
Usage: Optional unless N1 = ST then Mandatory
Max Use: 1
Purpose: To specify the geographic place of the named party.
Notes:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
N401	19	City Name Address Information	O	AN	2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States	O	ID	3/15
N404	26	Country Code Code identifying the country CAN Canada MEX Mexico USA U.S.A. **NOTE** Currently not Used.	O	ID	2/3
N4*CHARLOTTE*NC*282905473					

Segment: ITD Terms of Sale/Deferred Terms of Sale**Position:** 130**Loop:****Level:** Heading**Usage:** Optional**Max Use:** >1**Purpose:** To specify terms of sale**Notes:****Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
ITD01	336	Terms Type Code	O	ID	2/2
		01 - Basic			
		09 - Proximo			
		15 - Special Proximo			
ITD02	333	Terms Basis Date Code	O	ID	1/2
		3 Invoice Date			
ITD03	338	Terms Discount Percent	O	R	1/6
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the terms discount due date. Include decimal point if not a whole number. (example: 2.5 is 2.5%)			
ITD04	370	Terms Discount Due Date	X	DT	8/8
		Date payment is due if discount is to be earned expressed in format CCYYMMDD			
ITD06	446	Terms Net Due Date	O	DT	8/8
		Date when total invoice amount becomes due expressed in format CCYYMMDD			
ITD08	362	Terms Discount Amount	O	N2	1/10
		Total amount of terms discount. The decimal point is assumed and should not be included in the amount			
ITD12	352	Description	O	AN	1/80
		A free-form description to clarify the related data elements and their content			
		0014: ITD**3*2*20020110**20020125**187****2% 10TH PROX, NET 25TH PROX FOR INVOICES DATED THE 1ST TO 15TH			

Segment: DTM Date/Time Reference**Position:** 140**Loop:****Level:** Heading**Usage:** Optional**Max Use:** 1**Purpose:** To specify ship date**Data Element Summary**

Ref. Des.	Data Element	Name	Attributes		
DTM01	374	Date/Time Qualifier	M	ID	3/3
		CC - Collect			
		011 - Shipped			
	373	Date	X	DT	8/8
		DTM*011*20020529			

Segment: FOB **F.O.B. Related Instructions**
Position: 150
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify transportation instructions relating to shipment.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
FOB01	146	Shipment Method of Payment	M	ID	2/2
		BP - Paid by Buyer			
		PC - Prepaid but Charged to Customer			
		PS - Paid by Seller			
FOB06	309	Location Qualifier	X	ID	2/2
		OR - Origin Shipping Point			
		DE - Destination (Shipping)			
FOB07	352	Description	O	ID	1/80
		IF OR will be Vendor's Shipping City and State of Origin			
		IF DE then Anixter Ship-to City and State			

If FOB01 is BP and FOB06 is OR this combination denotes Collect - FOB Origin

If FOB01 is PS and FOB06 is DE this combination denotes Allowed - FOB Destination

If FOB01 is PS and FOB06 is OR this combination denotes Allowed - FOB Origin

If FOB01 is PC and FOB06 is OR this combination denotes Prepaid & Add - FOB Origin

If FOB01 is PC and FOB06 is DE this combination denotes Prepaid & Add - FOB Destination

****Important NOTE:** These are the only combination of codes that are allowed per Anixter standard

DETAIL

Segment: IT1 **Baseline Item Data (Invoice)**
Position: 010
Loop: IT1
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify basic and most frequently used line item data for the invoice and related items
Syntax
Notes:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
IT101	350	Assigned Identification	M	AN	1/20
	Note	Anixter Purchase Order Line Number if applicable			
IT102	358	Quantity Invoiced	M	R	1/10
		Number of units invoiced			
IT103	355	Unit or Basis for Measurement Code	M	ID	2/2
		HU,HF,HV,GA,TH,TM,TQ,TS,BX,BF,EA,FT,LB,PR,PT,QT,SF,CF,PC,CL,RL,CW,HC,TL,CA,PK,BG,ST,BD,DZ,CS,CT,TB,AY,BA,CN,RE			
IT104	212	Unit Price	M	R	1/17
	Note	This element is unit price, if a trading partner is using a the DIS qualifier, which is the multiplier, the multiplier will be reflected in the CTP 07. It is then understood, that Anixter will make the calculation between IT104 and CTP07 to get the new UNIT PRICE when a CTP06 qualifier of DIS is used.			
IT105	639	Basis of Unit Price Code	M	ID	2/2
		Unit of Measure per item			
IT106	235	Product/Service ID Qualifier	M	ID	2/2
		BP Buyer's Part Number VC Vendor's (Seller's) Catalog Number UI U.P.C./EAN Consumer Package Code SN Serial Number TP Type Code ZZ Anixter non-stocked product id			
IT107	234	Product/Service ID	M	AN	1/48
		Identifying number for a product or service			
	Note	Any of the above qualifiers and ID's can be used, in a repeated loop from IT106-IT120			
		IT1*7*1.00*EA*76.50000*EA*UI*78667637105*VC*BQ230240*TP*256			

Segment: CTP **Pricing Information**
Position: 050
Loop: IT1
Level: Detail
Usage: Optional
Max Use: 25
Purpose: To specify pricing information
Syntax
Notes:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
CTP06	648	Price Multiplier Qualifier	0	ID	3/3
		Code indicating the type of price multiplier			
		DIS Discount Multiplier			

CTP07	649	SEL Selling Multiplier Multiplier Value to be used as a multiplier to obtain a new value	X F4	R	1/10
-------	-----	---	------	---	------

The examples of the two qualifier are :

DIS - Discount Multiplier and will be calculated as follows
IT1*7*4*EA*36.6500*EA*UI*78667637105*VC*BQ230240*TP*
256

CTP***DIS*0.2521**

36.65 x .2521 = 9.24 (discount)

36.65 - 9.24 = 27.41 (new price)

27.41 x 4 = 109.64 (extended)

SEL- Selling Multiplier and will be calculated as follows
IT1*10*4*EA*36.6500*PE*BP*32316*UI*61194201873*VC*SV
00950 1800*BP*323

CTP***SEL*.2521**

36.65 X .2521 = 9.24 (new price)

9.24 x 4 = 36.96 (extended price)

Segment: PID Product/Item Description

Position: 060

Loop: PID

Level: Detail

Usage: Mandatory

Max Use: 1

Purpose: To describe a product or process in coded or free-form format

Syntax

Notes:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
PID01	349	Item Description Type	M	ID	1/1
		F Free Form			
PID05	352	Description	M	AN	1/80
		A free-form description to clarify the related data elements and their content			
		PID*F****3/4 BLUE WIDGET			

Segment: REF Reference Identification

Position: 120

Loop:

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To specify identifying information

Syntax

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
REF01	128	Reference Identification Qualifier	M	ID	2/3
		BM Billing of Lading Number			
		CO Customer Order Number			
		LT Lot Number			
		PD Promotional/Deal Number			
		PR Price Quote Number			
REF02	127	Reference Identification	X	AN	1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
		REF*PR*124578			

SUMMARY

Segment: TDS **Total Monetary Value Summary**
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To specify the total invoice discounts and amounts
Notes:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
TDS01	610	Total Invoice Amount Monetary Amount	M	N2	1/15
TDS02	610	Total Amount Subject to Discount Monetary Amount	O	N2	1/15
TDS03	610	Discounted Amount Due Monetary Amount	O	N2	1/15
TDS04	610	Terms Discount Amount Monetary Amount	O	N2	1/15
TDS*9360*9360*9173*187					

Segment: TXI **Tax Information**
Position: 020
Loop:
Level: Summary
Usage: Optional
Max Use: 10
Purpose: To specify tax information
Notes:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
TXI01	963	Tax Type Code CP - County/Parish Sales Tax CS - City Sales Tax GS - Goods and Services Tax LS - State and Local Sales Tax SP - State/Provincial Tax ST - State Sales Tax ZZ - Duty Free Tax	M	ID	2/2
TXI02	782	Monetary Amount Monetary Amount	X	R	1/18
TXI03	954	Percent Percentage expressed as a decimal	X	R	1/10
TXI*LS*250*.06					

Segment: CAD **Carrier Details**
Position: 030
Loop: Summary
Usage: Optional
Max Use: 1
Purpose: To specify Transportation details

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
CAD01	91	Transportation Method/Type Code A Air H Customer Pickup M Motor (Common Carrier) L Contract Carrier T Best Way U Private Parcel Service AE Air Express LT Less Than Trailer Load SR Supplier Truck	O	ID	1/2
CAD04	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	O	ID	2/4
CAD05	387	Routing Free-form description of carrier name	M	AN	1/35
CAD*L***UPSN*UNITED PARCEL SERVICE					

Segment: SAC Service, Promotion, Allowance, or Charge Information

Position: 040

Loop: SAC

Level: Summary

Usage: Optional

Max Use: 1

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

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
SAC01	248	Allowance or Charge Indicator A allowance C Charge N No allowance or Charge P Promotion Q Charge Request R Allowance Request S Service	M	ID	1/1
SAC02	1300	Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge A010 Absolute Minimum Charge D240 Freight D500 Handling F050 Other F670 Price & Marketing Allowance	X	ID	4/4
SAC05	610	Amount Monetary Amount	O	N2	1/15
SAC12	331	Allowance or Charge Method of Handling Code 02 Off Invoice 05 Charge to be Paid by Vendor 06 Charge to be Paid by Customer 09 Allowance to be issued by Vendor ZZ Mutually Defined	O	ID	2/2
SAC15	352	Description A free-form description to clarify the related data elements and their content SAC*C*D240***5500*****06***FREIGHT CHARGE	X	AN	1/80

Segment: CTT **Transaction Totals**
Position: 080
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Notes:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
CTT01	354	Number of Line Items Total number of line items in the transaction	M	NO	1/6
CTT02	347	Hash Total Sum of values of the IT102	O	R	1/10
CTT03	81	Weight	O	R	1/10
CTT04	355	Unit of Measurement Code LB	X	ID	2/2
CTT05	183	Volume	O	R	1/8
CTT06	355	Unit of Measure CT	X	D	2/2
CTT*105*85*LB*2*EA					

Segment: SE **Transaction Set Trailer**
Position: 030
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
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)
Notes: SE is the last segment of each transaction set.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M	NO	1/10
SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9
SE*21*003690001					