



810

INVOICE

Functional Group - IN

This X12 Transaction Set 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.

Interchange Header:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>
010	ISA	Interchange Control Header	M	1	
020	GS	Functional Group Header	M	1	

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>
010	ST	Transaction Set Header	M	1	
020	BIG	Beginning Segment for Invoice	M	1	
040	CUR	Currency	M	1	
050	REF	Reference Identification	M	>1	

LOOP ID - N1			200		
070	N1	Party Identification	M	1	
090	N3	Party Location	M	2	
100	N4	Geographic Location	M	1	
120	PER	Administrative Communications Contact	O	3	
130	ITD	Terms of Sale	M	>1	
140	DTM	Date/Time Reference	O	10	

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>
LOOP ID - IT1			200000		
010	IT1	Baseline Item Data (Invoice)	M	1	
060	PID	Product/Item Description	O	1000	
180	SAC	Allowance or Charge Information	O	>1	



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Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>
010	TDS	Total Monetary Value Summary	M	1	
020	TXI	Tax Information	O	10	
040	SAC	Allowance and Charge Information	O	>1	
070	CTT	Transaction Totals	M	1	

Interchange Trailer:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>
010	GE	Functional Group Trailer	M	1	
020	IEA	Interchange Control Trailer	M	1	



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Delimiters being used:

- Element: *
- Segment: ~
- Sub-Element/Component: >

Encoding being used:

- UTF-8



ISA - Interchange Control Header
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	'00'
ISA02	I02	Authorization Information	M	AN	10/10	10 Blanks
ISA03	I03	Security Information Qualifier	M	ID	2/2	'00'
ISA04	I04	Security Information	M	AN	10/10	10 Blanks
ISA05	I05	Sender ID Qualifier	M	ID	2/2	Sender ID Qualifier
ISA06	I06	Sender ID	M	AN	15/15	Sender ID
ISA07	I07	Receiver ID Qualifier	M	ID	2/2	Receiver ID Qualifier
ISA08	I08	Receiver ID	M	AN	15/15	Receiver ID
ISA09	I09	Date	M	DT	6/6	YYMMDD Format
ISA10	I10	Time	M	TM	4/4	HHMM Format
ISA11	I65	Control Standard	M		1/1	'U'
ISA12	I11	Control Version	M	ID	5/5	'00401'
ISA13	I12	Interchange Control Number	M	N0	9/9	Sequential number assigned by vendor
ISA14	I13	Acknowledgement Requested	M	ID	1/1	'0' - No '1' - Yes
ISA15	I14	Test Indicator	M	ID	1/1	'T' - Test 'P' - Production
ISA16	I15	Sub-Element	M		1/1	'>'

GS - Functional Group Header
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
GS01	479	Functional ID	M	ID	2/2	IN
GS02	142	Sender ID	M	AN	2/15	Sender ID
GS03	124	Receiver ID	M	AN	2/15	Receiver ID
GS04	373	Date	M	DT	8/8	CCYYMMDD Format
GS05	337	Time	M	TM	4/8	HHMM, HHMMSS, or HHMMSSDD format
GS06	28	Group Control Number	M	N0	1/9	Sequential number assigned by vendor
GS07	455	Agency Code	M	ID	1/1	'X'
GS08	480	Version	M	AN	1/12	'004010'



ST - Transaction Set Header
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
ST01	143	Transaction Set Identifier Code	M	ID	3/3	'810' – Invoice
ST02	329	Transaction Set Control Number	M	AN	4/9	Assigned by Sender

BIG - Beginning Segment for Invoice
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
BIG01	373	Date	M	DT	8/8	Invoice Date
BIG02	76	Invoice Number	M	AN	1/22	Invoice #
BIG03	373	Date	M	DT	8/8	PO Date
BIG04	324	Purchase Order Number	M	AN	1/22	PO #

CUR - Currency
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
CUR01	98	Entity Identifier Code	M	ID	2/3	'BY' – Buying Party
CUR02	100	Currency Code	M	ID	3/3	Any valid X12 code



REF - Reference Information

Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
REF01	128	Reference Identification Qualifier	M	ID	2/3	'MA' – Ship Notice/Manifest Number (Optional) 'BM' – Bill of Lading Number (Optional) '19' – Legends Company/Division (Mandatory)
REF02	127	Reference Identification	M	AN	1/30	MA: ASN Document ID BM: Bill of Lading # 19: Legends Company/Division
*When REF01 = BM, max length is 14 characters						
*When REF01 = 19, REF02 must match what was sent on 850						

N1 - Party Identification

Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
N101	98	Entity Identifier Code	M	ID	2/3	'ST' – Ship To (Mandatory) 'BT' – Bill To (Optional) 'VN' – Vendor (Mandatory)
N102	93	Name	M	AN	1/60	*Not used for N1*BT
N103	66	Identification Code Qualifier	O	ID	1/2	'92' – Assigned by Buyer or Buyer's Agent
N104	67	Identification Code	O	AN	2/80	
*N103/04 mandatory for N1*VN						
*N103/04 only needed for N1*ST when not dropship and should match what was sent on 850						
*N103/04 conditionally mandatory for N1*BT when sent on 850						

N3 - Address Information (Loop N1)

Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
N301	166	Address Information	M	AN	1/55	Address 1
N302	166	Address Information	O	AN	1/55	Address 2
*Only used for N1*VN						



N4 - Geographic Location (Loop N1)
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
N401	19	City Name	M	AN	2/30	City Name
N402	156	State or Province Code	O	ID	2/2	State or Province Code
N403	116	Postal Code	M	ID	3/15	Zip Code
N404	26	Country Code	M	ID	2/3	Country

*Only used for N1*VN

PER - Administrative Communications Contact (Loop N1)
Optional segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
PER01	366	Contact Function Code	M	ID	2/2	'AR' – Accounts Receivable
PER02	93	Name	O	AN	1/60	
PER03	365	Communication Number Qualifier	C	ID	2/2	'TE' – Telephone
PER04	364	Communication Number	C	AN	1/80	Phone #
PER05	365	Communication Number Qualifier	C	ID	2/2	'EM' – Email
PER06	364	Communication Number	C	AN	1/80	Buyer Email Address

*Only used for N1*VN

ITD - Terms of Sale
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
ITD06	446	Terms Net Due Date	M	DT	8/8	Net Due Date
ITD12	352	Description	M	AN	1/80	Terms Description



DTM - Date/Time Reference
Optional segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
DTM01	374	Date/Time Qualifier	M	ID	3/3	'011' – Ship Date
DTM02	373	Date	M	DT	8/8	Ship Date



IT1 - Baseline Item Data (Invoice)
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
IT101	350	Assigned Identification	M	AN	1/20	Line # *Must match value sent on 850 in PO101
IT102	358	Quantity Invoiced	M	R	1/15	Quantity Invoiced
IT103	355	Unit or Basis for Measurement Code	M	ID	2/2	'EA' – Each
IT104	212	Unit Price	M	R	1/17	Unit Price
IT106	235	Product/Service ID Qualifier	M	ID	2/2	'PI' – Buyer Item Number
IT107	234	Product/Service ID	M	AN	1/48	Buyer's Item #
IT108	235	Product/Service ID Qualifier	O	ID	2/2	'VN' – Vendor's Item Number
IT109	234	Product/Service ID	O	AN	1/48	Vendor's Item #

PID - Product/Item Description (Loop IT1)
Optional segment

Ref	Ref ID	Description	Req	Type	Min / Max	Values/Comments
PID01	349	Item Description type	M	ID	1/1	'F' – Free-form
PID02	750	Product/Process Characteristic Code	M	ID	2/3	'74' – Vendor Size Description
PID05	352	Description	M	AN	1/80	Item Description

SAC - Allowance or Charge Information (Loop IT1)
Optional segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	'A' - Allowance 'C' – Charge
SAC02	1300	Allowance or Charge Code	M	ID	4/4	Any valid X12 value
SAC05	610	Amount	M	N2	1/15	
SAC15	352	Description	O	AN	1/80	



TDS - Total Monetary Value Summary (Summary)
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
TDS01	610	Amount	M	N2	1/15	Invoice Total

TXI - Tax Information
Optional segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
TXI01	963	Tax Type Code	M	ID	2/2	'ZZ' – Mutually Defined
TXI02	782	Monetary Amount	M	R	1/18	Total Tax Amount
TXI09	325	Tax Identification Number	O	AN	1/20	Tax ID

SAC - Allowance or Charge Information (Summary)
Optional segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	'A' - Allowance 'C' – Charge
SAC02	1300	Allowance or Charge Code	M	ID	4/4	Any valid X12 value
SAC05	610	Amount	M	N2	1/15	
SAC15	352	Description	O	AN	1/80	



CTT - Transaction Totals (Summary)
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
CTT01	354	Number of Line Items	M	N0	1/6	Total number of IT1 segments

SE - Transaction Set Trailer
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
SE01	96	Number of Included Segments	M	N0	1/10	Number of included segments contained on 810. From and Including ST and SE.
SE02	329	Transaction Set Control Number	M	AN	4/9	Same as ST02

GE - Functional Group Trailer
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
GE01	97	Number of Transaction Sets Included	M	ID	1/6	Number of Transaction Sets Included in the Functional Group
GE02	28	Group Control Number	M	AN	1/9	Sequential Number Assigned by Vendor

IEA - Interchange Control Trailer
Mandatory segment

Ref	Ref ID	Description	Req	Type	Min / Max	Qualifiers/Definitions
IEA01	I16	Number of Functional Groups Included	M	N0	1/5	Number of Functional Groups Included in transmission
IEA02	I12	Interchange Control Number	M	N0	9/9	Sequential Number Assigned by Vendor



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SEGMENT USAGE EXAMPLES

ISA*00* *00* *ZZ*SENDER *12*RECEIVER *230516*0955*U*00401*00000001*0*P*>~
GS*IN*SENDER*RECEIVER*20230516*0955*1*X*004010~
ST*810*0001~
BIG*20230516*INV001*20230515*PO100~
CUR*BY*USD~
REF*MA*ASN001~
REF*BM*1X234567890~
REF*19*DIV001~
N1*ST*Ship To Name*92*ST Code~
N1*BT**92*BT Code~
N1*VN*VN Name*92*VN Code~
N3*VN Address 1*VN Address 2~
N4*VN City*PA*16066*US~
PER*AR*Name*TE*123-456-7890*EM*email@email.com~
ITD*****20220616*****Net 30 days~
DTM*011*20230520~
IT1*1*50*EA*5.97**PI*111222*VN*333444~
PID*F*74***Large~
SAC*A*C310***345~
IT1*2*10*CA*1.97**PI*555666*VN*777888~
PID*F*74***Small~
SAC*C*F750***123~
TDS*33787~
TXI*ZZ*6.89*****TAX001~
SAC*C*D240***1500~
CTT*2~
SE*25*0001~
GE*1*1~
IEA*1*000000001~