



EDI 810 | Invoice

X12 version 5010

Implementation Guideline Description
Invoice

810 Invoice

TABLE 1

USER REQ	REQ. DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
Must Use	M	1	100	ST	Transaction Set Header
	M	1	200	BIG	Beginning Segment for Invoice
	O	1	400	CUR	Currency
	O	12	500	REF	Reference Identification
LOOP ID - N1					MAX: 200
Must Use	O	1	700	N1	Name
	O	2	800	N2	Additional Name Information
	O	2	900	N3	Address Information
	O	1	1000	N4	Geographic Location
Must Use	O	>1	1300	ITD	Terms of Sale/Deferred Terms of Sale
Must Use	O	10	1400	DTM	Date/Time Reference

TABLE 2

USER REQ	REQ. DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
LOOP ID - IT1					MAX: 200000
Must Use	O	1	10	IT1	Baseline Item Data (Invoice)

TABLE 3

USER REQ	REQ. DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
Must Use	M	1	10	TDS	Total Monetary Value Summary
	O	1	30	CAD	Carrier Detail
				LOOP ID - SAC	MAX: >1
	O	1	130	SAC	Service, Promotion, Allowance, or Charge Information
	O	1	430	CTT	Transaction Totals
	M	1	530	SE	Transaction Set Trailer

ST ° Transaction Set Header

ST

User Req: USED
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0100
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	ST01	143	Transaction Set Identifier Code	ID	3	3
				810 Invoice			
	M	ST02	329	Transaction Set Control Number	AN	4	9
	O	ST03	1705	Implementation Convention Reference	AN	1	35

BIG**BIG ° Beginning Segment for Invoice**

User Req: USED
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0200
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	BIG01	373	Date	DT	8	8
Must Use	M	BIG02	76	Invoice Number	AN	1	22
Must Use	M	BIG03	373	Date	DT	8	8
Must Use	O	BIG04	324	Purchase Order Number	AN	1	22
	O	BIG05	328	Release Number	AN	1	30
	O	BIG06	327	Change Order Sequence Number	AN	1	8
	O	BIG07	640	Transaction Type Code	ID	2	2
	O	BIG08	353	Transaction Set Purpose Code	ID	2	2
	O	BIG09	306	Action Code	ID	1	2
	O	BIG10	76	Invoice Number	AN	1	22
	O	BIG11	1005	Hierarchical Structure Code	ID	4	4

CUR ° Currency**CUR**

User Req: MUST USE
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0400
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	CUR01	98	Entity Identifier Code	ID	2	3
				BY Buying Party (Purchaser)			
	M	CUR02	100	Currency Code	ID	3	3
	O	CUR03	280	Exchange Rate	R	4	10
	O	CUR04	98	Entity Identifier Code	ID	2	3
	O	CUR05	100	Currency Code	ID	3	3
	O	CUR06	669	Currency Market/Exchange Code	ID	3	3
	O	CUR07	374	Date/Time Qualifier	ID	3	3
	O	CUR08	373	Date	DT	8	8
	O	CUR09	337	Time	TM	4	8
	O	CUR10	374	Date/Time Qualifier	ID	3	3
	O	CUR11	373	Date	DT	8	8
	O	CUR12	337	Time	TM	4	8
	O	CUR13	374	Date/Time Qualifier	ID	3	3
	O	CUR14	373	Date	DT	8	8
	O	CUR15	337	Time	TM	4	8
	O	CUR16	374	Date/Time Qualifier	ID	3	3
	O	CUR17	373	Date	DT	8	8
	O	CUR18	337	Time	TM	4	8
	O	CUR19	374	Date/Time Qualifier	ID	3	3
	O	CUR20	373	Date	DT	8	8
	O	CUR21	337	Time	TM	4	8

Syntax Notes: If 08 is present, then 07 is required.
 If 09 is present, then 07 is required.
 If 10 is present, then at least 11 or 12 is required.
 If 11 is present, then 10 is required.
 If 12 is present, then 10 is required.

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
				If 13 is present, then at least 14 or 15 is required.			
				If 14 is present, then 13 is required.			
				If 15 is present, then 13 is required.			
				If 16 is present, then at least 17 or 18 is required.			
				If 17 is present, then 16 is required.			
				If 18 is present, then 16 is required.			
				If 19 is present, then at least 20 or 21 is required.			
				If 20 is present, then 19 is required.			
				If 21 is present, then 19 is required.			

REF**REF ° Reference Identification**

User Req: MUST USE
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 0500
Max Use: 12

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	REF01	128	Reference Identification Qualifier	ID	2	3
				IA Internal Vendor Number			
	O	REF02	127	Reference Identification	AN	1	50
			Level 1 Note: Vendor's TP ID as provided on initial PO.				
	O	REF03	352	Description	AN	1	80
	O	REF04	C040	Reference Identifier			
	M	REF0401	C040/128	Reference Identification Qualifier	ID	2	3
	M	REF0402	C040/127	Reference Identification	AN	1	50
	O	REF0403	C040/128	Reference Identification Qualifier	ID	2	3
	O	REF0404	C040/127	Reference Identification	AN	1	50
	O	REF0405	C040/128	Reference Identification Qualifier	ID	2	3
	O	REF0406	C040/127	Reference Identification	AN	1	50

Syntax Notes: At least one of 02 and 03 is required.

N1**N1 ° Name**

User Req: MUST USE
Table/Area: 1
Loop: N1
Loop Section: N1
Position: 0700
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.						
	M	N101	98	Entity Identifier Code	ID	2	3						
				<table><tr><td>RI</td><td>Remit To</td></tr><tr><td>ST</td><td>Ship To</td></tr><tr><td>BY</td><td>Buying Party (Purchaser)</td></tr></table>	RI	Remit To	ST	Ship To	BY	Buying Party (Purchaser)			
RI	Remit To												
ST	Ship To												
BY	Buying Party (Purchaser)												
	O	N102	93	Name	AN	1	60						
	O	N103	66	Identification Code Qualifier	ID	1	2						
	O	N104	67	Identification Code	AN	2	80						
	O	N105	706	Entity Relationship Code	ID	2	2						
	O	N106	98	Entity Identifier Code	ID	2	3						

Syntax Notes: At least one of 02 and 03 is required.
 If any of 03 or 04 are present, then all are required.

N2 ° Additional Name Information

N2

User Req: USED
Table/Area: 1
Loop: N1
Loop Section: N1
Position: 0800
Max Use: 2

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	N201	93	Name	AN	1	60
	O	N202	93	Name	AN	1	60

N3 ° Address Information

N3

User Req: USED
Table/Area: 1
Loop: N1
Loop Section: N1
Position: 0900
Max Use: 2

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	N301	166	Address Information	AN	1	55
	O	N302	166	Address Information	AN	1	55

N4 ° Geographic Location

N4

User Req: USED
Table/Area: 1
Loop: N1
Loop Section: N1
Position: 1000
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	O	N401	19	City Name	AN	2	30
	O	N402	156	State or Province Code	ID	2	2
	O	N403	116	Postal Code	ID	3	15
	O	N404	26	Country Code	ID	2	3
	O	N405	309	Location Qualifier	ID	1	2
	O	N406	310	Location Identifier	AN	1	30
	O	N407	1715	Country Subdivision Code	ID	1	3

Syntax Notes: Only one of 02 or 07 may be present.
If 06 is present, then 05 is required.
If 07 is present, then 04 is required.

ITD**ITD ° Terms of Sale/Deferred Terms of Sale**

User Req: MUST USE
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 1300
Max Use: >1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	O	ITD01	336	Terms Type Code	ID	2	2
				01 Basic			
Must Use	O	ITD02	333	Terms Basis Date Code	ID	1	2
				1 Ship Date			
	O	ITD03	338	Terms Discount Percent	R	1	6
	O	ITD04	370	Terms Discount Due Date	DT	8	8
	O	ITD05	351	Terms Discount Days Due	N0	1	3
	O	ITD06	446	Terms Net Due Date	DT	8	8
Must Use	O	ITD07	386	Terms Net Days	N0	1	3
	O	ITD08	362	Terms Discount Amount	N2	1	10
	O	ITD09	388	Terms Deferred Due Date	DT	8	8
	O	ITD10	389	Deferred Amount Due	N2	1	10
	O	ITD11	342	Percent of Invoice Payable	R	1	5
Must Use	O	ITD12	352	Description	AN	1	80
	O	ITD13	765	Day of Month	N0	1	2
	O	ITD14	107	Payment Method Code	ID	1	2
	O	ITD15	954	Percent	R	1	10

Syntax Notes: If 03 is present, then at least 04, 05 or 13 is required.
 If 08 is present, then at least 04, 05 or 13 is required.
 If 09 is present, then at least 10 or 11 is required.

DTM**DTM ° Date/Time Reference**

User Req: MUST USE
Table/Area: 1
Loop: N/A
Loop Section: N/A
Position: 1400
Max Use: 10

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	DTM01	374	Date/Time Qualifier	ID	3	3
				011 Shipped			
	O	DTM02	373	Date	DT	8	8
	O	DTM03	337	Time	TM	4	8
	O	DTM04	623	Time Code	ID	2	2
	O	DTM05	1250	Date Time Period Format Qualifier	ID	2	3
	O	DTM06	1251	Date Time Period	AN	1	35

Syntax Notes: At least one of 02, 03 and 05 is required.
 If 04 is present, then 03 is required.
 If any of 05 or 06 are present, then all are required.

IT1

IT1 ° Baseline Item Data (Invoice)

User Req: MUST USE
 Table/Area: 2
 Loop: IT1
 Loop Section: IT1
 Position: 0010
 Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.	
	O	IT101	350	Assigned Identification		AN	1	20
Must Use	O	IT102	358	Quantity Invoiced		R	1	15
Must Use	O	IT103	355	Unit or Basis for Measurement Code		ID	2	2
Must Use	O	IT104	212	Unit Price		R	1	17
	O	IT105	639	Basis of Unit Price Code		ID	2	2
Must Use	O	IT106	235	Product/Service ID Qualifier		ID	2	2
				UP	U.P.C. Consumer Package Code (1-5-5-1)			
				UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)			
				EN	European Article Number (EAN) (2-5-5-1)			
	O	IT107	234	Product/Service ID		AN	1	48
	O	IT108	235	Product/Service ID Qualifier		ID	2	2
				VN	Vendor's (Seller's) Item Number			
				IN	Shopify Item number.			
	O	IT109	234	Product/Service ID		AN	1	48
	O	IT110	235	Product/Service ID Qualifier		ID	2	2
				IT	Spring PortalApp Item ID.			
	O	IT111	234	Product/Service ID		AN	1	48
	O	IT112	235	Product/Service ID Qualifier		ID	2	2
				ID	PO Item ID.			
	O	IT113	234	Product/Service ID		AN	1	48
	O	IT114	235	Product/Service ID Qualifier		ID	2	2
	O	IT115	234	Product/Service ID		AN	1	48
	O	IT116	235	Product/Service ID Qualifier		ID	2	2
	O	IT117	234	Product/Service ID		AN	1	48
	O	IT118	235	Product/Service ID Qualifier		ID	2	2
	O	IT119	234	Product/Service ID		AN	1	48

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	O	IT120	235	Product/Service ID Qualifier	ID	2	2
	O	IT121	234	Product/Service ID	AN	1	48
	O	IT122	235	Product/Service ID Qualifier	ID	2	2
	O	IT123	234	Product/Service ID	AN	1	48
	O	IT124	235	Product/Service ID Qualifier	ID	2	2
	O	IT125	234	Product/Service ID	AN	1	48

Syntax Notes: If any of 02, 03 or 04 are present, then all are required.
 If any of 06 or 07 are present, then all are required.
 If any of 08 or 09 are present, then all are required.
 If any of 10 or 11 are present, then all are required.
 If any of 12 or 13 are present, then all are required.
 If any of 14 or 15 are present, then all are required.
 If any of 16 or 17 are present, then all are required.
 If any of 18 or 19 are present, then all are required.
 If any of 20 or 21 are present, then all are required.
 If any of 22 or 23 are present, then all are required.
 If any of 24 or 25 are present, then all are required.

TDS ° Total Monetary Value Summary

TDS

User Req: USED
Table/Area: 3
Loop: N/A
Loop Section: N/A
Position: 0010
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	TDS01	610	Amount	N2	1	15
	O	TDS02	610	Amount	N2	1	15
	O	TDS03	610	Amount	N2	1	15
	O	TDS04	610	Amount	N2	1	15

CAD**CAD ° Carrier Detail**

User Req: USED
Table/Area: 3
Loop: N/A
Loop Section: N/A
Position: 0030
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	CAD01	91	Transportation Method/Type Code	ID	1	2
	O	CAD02	206	Equipment Initial	AN	1	4
	O	CAD03	207	Equipment Number	AN	1	15
Must Use	O	CAD04	140	Standard Carrier Alpha Code	ID	2	4
Must Use	O	CAD05	387	Routing	AN	1	35
	O	CAD06	368	Shipment/Order Status Code	ID	2	2
	O	CAD07	128	Reference Identification Qualifier	ID	2	3
	O	CAD08	127	Reference Identification	AN	1	50
	O	CAD09	284	Service Level Code	ID	2	2

Syntax Notes: At least one of 05 and 04 is required.
 If 07 is present, then 08 is required.

SAC**SAC ° Service, Promotion, Allowance, or Charge Information**

User Req: USED
Table/Area: 3
Loop: SAC
Loop Section: SAC
Position: 0130
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	SAC01	248	Allowance or Charge Indicator	ID	1	1
	O	SAC02	1300	Service, Promotion, Allowance, or Charge Code	ID	4	4
	O	SAC03	559	Agency Qualifier Code	ID	2	2
	O	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code	ID	1	10
	O	SAC05	610	Amount	N2	1	15
	O	SAC06	378	Allowance/Charge Percent Qualifier	ID	1	1
	O	SAC07	332	Percent	R	1	6
	O	SAC08	118	Rate	R	1	9
	O	SAC09	355	Unit or Basis for Measurement Code	ID	2	2
	O	SAC10	380	Quantity	R	1	15
	O	SAC11	380	Quantity	R	1	15
	O	SAC12	331	Allowance or Charge Method of Handling Code	ID	2	2
	O	SAC13	127	Reference Identification	AN	1	50
	O	SAC14	770	Option Number	AN	1	20
	O	SAC15	352	Description	AN	1	80
	O	SAC16	819	Language Code	ID	2	3

Syntax Notes: At least one of 02 and 03 is required.
 If any of 03 or 04 are present, then all are required.
 If any of 06 or 07 are present, then all are required.
 If any of 09 or 10 are present, then all are required.
 If 11 is present, then 10 is required.
 If 14 is present, then 13 is required.
 If 16 is present, then 15 is required.

CTT**CTT ° Transaction Totals**

User Req: MUST USE
Table/Area: 3
Loop: N/A
Loop Section: N/A
Position: 0430
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
Must Use	M	CTT01	354	Number of Line Items	N0	1	6
	O	CTT02	347	Hash Total	R	1	10
	O	CTT03	81	Weight	R	1	10
	O	CTT04	355	Unit or Basis for Measurement Code	ID	2	2
	O	CTT05	183	Volume	R	1	8
	O	CTT06	355	Unit or Basis for Measurement Code	ID	2	2
	O	CTT07	352	Description	AN	1	80

Syntax Notes: If any of 03 or 04 are present, then all are required.
If any of 05 or 06 are present, then all are required.

SE Transaction Set Trailer

SE

User Req: USED
Table/Area: 3
Loop: N/A
Loop Section: N/A
Position: 0530
Max Use: 1

Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	SE01	96	Number of Included Segments	N0	1	10
	M	SE02	329	Transaction Set Control Number	AN	4	9

