



**Outbound 810 (Invoice)
X12 Specification
for
Release 003040**

The purpose of this document is to describe the X12 specification used to transport invoice data from the *EMJ* to its Trading Partner Vendors.

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Purpose:

The segment set described in this document comprises the necessary information to submit a single invoice to a Trading Partner via EDI. Record sets will be created in lieu of paper invoices for Trading Partners accepting ANSI X12 810 EDI documents.

General Conventions:

Bold format indicates literal values. *Italicized format* indicates specific field layout.

The Requirement Designator on segments is defined as follows:

M	Mandatory
O	Optional
C	Conditional
X	Conditional

Note:

Please note on the Segment Set Structure page the Requirement Designator has many Optional segments. Only those segments marked with "M" are Mandatory segments. Optional segments should only be used to convey necessary information.

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Segment Set Structure

Table 1

PO S NO	SEG. ID	NAME	REQ DES	MAX USE	LOOP	NOTES & COMMENTS
010	ST	Transaction Set Header	M	1		
020	BIG	Beginning Segment for Invoice	M	1		
070	N1	Name	O	1	N1	Loop N1 is optional, but, if used, segment N1 is mandatory.
090	N3	Address Information	O	2		
100	N4	Geographic Location	O	1		
130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		

Table 2

PO S NO	SEG. ID	NAME	REQ DES	MAX USE	LOOP	NOTES & COMMENTS
010	IT1	Baseline Item Data (Invoice)	O	1	IT1	Loop IT1 is optional but, if used, segment IT1 is mandatory.
060	PID	Product/Item Description	O	1		

Table 3

PO S NO	SEG. ID	NAME	REQ DES	MAX USE	LOOP	NOTES & COMMENTS
010	TDS	Total Monetary Value Summary	M	1		
060	ISS	Invoice Shipment Summary	O	5		
070	CTT	Transaction Totals	M	1		If used, hash total (CTT02) is the sum of the values of quantity invoiced (IT102).
080	SE	Transaction Set Trailer	M	1		

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ST

Transaction Set Header

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

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	143	Transaction Set Identifier Code	M	ID	3/3	810
02	329	Transaction Set Control Number	M	AN	4/9	Generated

BIG

Beginning Segment for Invoice

To indicate the beginning of the Invoice transaction set and transmit identifying numbers and dates.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	245	Invoice Date	M	DT	6/6	YYMMDD
02	76	Invoice Number	M	AN	1/22	
03	323	P.O. Date	O	DT	6/6	Not Used
04	324	P.O. Number	O	AN	1/22	
05	328	Release Number	O	AN	1/30	
06	327	Change Order Sequence Number	O	AN	1/8	Not Used
07	640	Transaction Type Code	O	ID	2/2	Not Used
08	353	Transaction Set Purpose Code	O	ID	2/2	00 Original 41 Corrected and Verified ZZ Original AI Adjusted Invoice DR Debit Memo CN Credit Invoice
09	306	Action Code	O	ID	1/2	
10	76	Invoice Number	O	AN	1/22	Not Used

N1

Name

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

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	98	Entity Identifier Code	M	ID	2/2	RI Remit To BT Bill-To ST Ship-To
02	93	Name	X	AN	1/35	At least one of N102 or N103 must be present.
03	66	Identification Code Qualifier	X	ID	1/2	Required if N104 is used.
04	67	Identification Code	X	AN	2/17	Required if N103 is used.
05	706	Entity Relationship Code	O	ID	2/2	
06	98	Entity Identifier Code	O	ID	2/2	

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N3

Address Information

To specify the location of the named party.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	166	Address Information	M	AN	1/35	
02	166	Address Information	O	AN	1/35	

N4

Geographic Location

To specify the geographic place of the named party.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	19	City Name	O	AN	2/30	At least on of N401 or N405 must be present.
02	156	State or Province Code	O	ID	2/2	Required if N401 is used.
03	116	Postal Code	O	ID	3/9	
04	26	Country Code	O	ID	2/3	
05	309	Location Qualifier	X	ID	1/2	Required if N406 is used.
06	310	Location Identifier	O	AN	1/30	Required if N405 is used.

ITD

Terms of Sale/Deferred Terms of Sale

To specify terms of sale.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	336	Terms Type Code	O	ID	2/2	01 Basic
02	333	Terms Basis Date Code	O	ID	1/2	03 Invoice Date
03	338	Terms Discount Percent	O	R	1/6	If ITD03 is present, at least one of ITD04, ITD05, ITD13 required is required.
04	370	Terms Discount Due Date	X	DT	6/6	YYMMDD
05	351	Terms Discount Days Due	X	N0	1/3	Not Used
06	446	Terms Net Due Date	O	DT	6/6	Not Used
07	386	Terms Net Days	O	N0	1/3	Not Used
08	362	Terms Discount Amount	O	N2	1/10	If ITD08 is present, at least one of ITD04, or ITD05 or ITD13 is required.
09	388	Terms Deferred Due Date	O	DT	6/6	Not Used
10	389	Deferred Amount Due	X	N2	1/10	Not Used
11	342	Percent of Invoice Payable	X	R	1/5	Not Used
12	352	Description	O	AN	1/80	
13	765	Day of Month	X	N0	1/2	Not Used
14	107	Payment Method Code	O	ID	1/1	Not Used
15	954	Percent	O	R	1/10	Not Used

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IT1

Baseline Item Data (Invoice)

To specify the basic and most frequently used line item data for the invoice and related transactions.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	350	Assigned Identification	O	AN	1/11	
02	358	Quantity Invoiced	M	R	1/10	
03	355	Unit of Measure Code	M	ID	2/2	IN Inch FT Feet
04	212	Unit Price	M	R	1/14	
05	639	Basis of Unit Price Code	O	ID	2/2	
06	235	Product/Service ID Qualifier	O	ID	2/2	BP Buyer's Part Number PN EMJ Part Number Part Number
07	234	Product/Service ID	X	AN	1/30	
08	235	Product/Service ID Qualifier	O	ID	2/2	
09	234	Product/Service ID	X	AN	1/30	Not Used
10	235	Product/Service ID Qualifier	O	ID	2/2	
11	234	Product/Service ID	X	AN	1/30	Not Used
12	235	Product/Service ID Qualifier	O	ID	2/2	
13	234	Product/Service ID	X	AN	1/30	Not Used
14	235	Product/Service ID Qualifier	O	ID	2/2	
15	234	Product/Service ID	X	AN	1/30	Not Used
16	235	Product/Service ID Qualifier	O	ID	2/2	
17	234	Product/Service ID	X	AN	1/30	Not Used
18	235	Product/Service ID Qualifier	O	ID	2/2	
19	234	Product/Service ID	X	AN	1/30	Not Used
20	235	Product/Service ID Qualifier	O	ID	2/2	
21	234	Product/Service ID	X	AN	1/30	Not Used
22	235	Product/Service ID Qualifier	O	ID	2/2	
23	234	Product/Service ID	X	AN	1/30	Not Used
24	235	Product/Service ID Qualifier	O	ID	2/2	
25	234	Product/Service ID	X	AN	1/30	Not Used

PID

Product/Item Description

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

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	349	Item Description Type	M	ID	1/1	F Free Form
02	750	Product/Process Characteristic Code	O	ID	2/3	Not Used
03	559	Agency Qualifier Code	X	ID	2/2	Not Used
04	751	Product Description Code	X	AN	1/12	Not Used.
05	352	Description	X	AN	1/80	
06	752	Surface/Layer/Position Code	O	ID	2/2	Not Used
07	822	Source Subqualifier	O	AN	1/15	Not Used
08	1073	Yes/No Condition or Response Code	O	ID	1/1	Not Used

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TDS

Total Monetary Value Summary

To specify the total invoice discounts and amounts.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	361	Total Invoice Amount	M	N2	1/10	
02	390	Amount Subject to Terms Discount	C	N2	1/10	Required if not equal to TDS01.
03	391	Discounted Amount Due	O	N2	1/10	
04	362	Terms Discount Amount	O	N2	1/10	

ISS

Invoice Shipment Summary

To specify summary details of total items shipped in terms of quantity, weight, and volume.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	382	Number of Units Shipped	X	R	1/10	At least one of ISS01, ISS03, or ISS05 must be present.
02	355	Unit of Measurement Code	X	ID	2/2	Required if ISS01 is present.
03	81	Weight	X	R	1/10	
04	355	Unit of Measurement Code	X	ID	2/2	Required if ISS03 is present.
05	183	Volume	X	R	1/8	
06	355	Unit of Measurement Code	X	ID	2/2	Required if ISS05 is present.

CTT

Transaction Totals

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

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	354	Number of Line Items	M	N0	1/6	Count of PO1 segments.
02	347	Hash Total	O	R	1/10	
03	81	Weight	O	R	1/10	
04	355	Unit or Basis for Measurement Code	X	ID	2/2	Required if CTT03 is used.
05	183	Volume	O	R	1/8	
06	355	Unit or Basis for Measurement Code	X	ID	2/2	Required if CTT05 is used.
07	352	Description	O	AN	1/180	

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).

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	96	Number of Included Segments	M	N0	1/10	
02	329	Transaction Set Control Number	M	AN	4/9	As specified on ST segment.