



**Outbound 850 (Purchase Order)
X12 Specification
for
Release 003040**

**The purpose of this document is to describe the suggested
X12 specification to be used to transport Purchase Order
data from *EMJ* to its Trading Partners.**

O850 X12 - Outbound Purchase Order

Purpose:

The segment set described in this document comprises the necessary information to receive a single purchase order from the Earle M. Jorgensen Co. via EDI. Record sets will be created in lieu of paper purchase orders for Trading Partners receiving ANSI X12 850 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						
POS NO	SEG. ID	NAME	REQ DES	MAX USE	LOOP	NOTES & COMMENTS
010	ST	Transaction Set Header	M		1	
020	BEG	Beginning Segment for Purchase Order	M		1	
030	NTE	Note/Special Instruction	F		10	
060	PER	Administrative Communications Contact	O		3	
080	FOB	F.O.B. Related Instructions	O		1	
210	PWK	Paperwork	O		25	
240	TD5	Carrier Details (Routing Sequence/Transit Time)	O		12	
310	N1	Name	M		1	N1
330	N3	Address Information	O		2	
340	N4	Geographic Location	O		1	

Table 2						
POS NO	SEG. ID	NAME	REQ DES	MAX USE	LOOP	NOTES & COMMENTS
010	PO1	Baseline Item Data	M		1	PO1
050	PID	Product/Item Description	O		1	PID
060	MEA	Measurements	O		10	
230	SCH	Line Item Schedule	O		200	

PO102 is required.

Table 3						
POS NO	SEG. ID	NAME	REQ DES	MAX USE	LOOP	NOTES & COMMENTS
010	CTT	Transaction Totals	M		1	
030	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	850
02	329	Transaction Set Control Number	M	AN	4/9	Generated

BEG

Beginning Segment for Purchase Order

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

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	353	Transaction Set Purpose Code	M	ID	2/2	00 Original
02	92	Purchase Order Type Code	M	ID	2/2	NE New Order
03	324	Purchase Order Number	M	AN	1/22	
04	328	Release Number	O	AN	1/30	
05	323	Purchase Order Date	M	DT	6/6	YYMMDD
06	367	Contract Number	O	AN	1/30	
07	587	Acknowledgment Type	O	ID	2/2	Not Used
08	1019	Invoice Type Code	O	ID	3/3	Not Used

NTE

Note/Special Instruction

To transmit information in a free-form format, if necessary, for comment or special instruction.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	363	Note Reference Code	O	ID	3/3	ORI Order Instructions
02	3	Free Form Message	M	AN	1/60	

PER

Administrative Communications Contact

To identify a person or office to whom administrative communications should be directed.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	366	Contact Function Code	M	ID	2/2	BD Buyer Name OC Mill Order Contact
02	93	Name	O	AN	1/35	
03	365	Communication Number Qualifier	X	ID	2/2	Not used
04	364	Communication Number	X	AN	1/14	Not used
05	365	Communication Number Qualifier	X	ID	2/2	Not Used
06	364	Communication Number	X	AN	1/14	Not Used

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FOB

F.O.B. Related Instructions

To specify transportation instructions related to shipment.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	146	Shipment Method of Payment	M	ID	2/2	PP Prepaid CC Collect PC Prepaid, But charged to customer
02	309	Location Qualifier	X	ID	1/2	ZZ Mutually Defined Required if FOB03 is used.
03	352	Description	O	AN	1/80	
04	334	Transportation Terms Qualifier Code	O	ID	2/2	Not Used
05	335	Transportation Terms Code	X	ID	3/6	Not Used
06	309	Location Qualifier	X	ID	1/2	Not Used
07	352	Description	O	AN	1/80	Not Used
08	54	Risk of Loss Qualifier	O	ID	2/2	Not Used
09	352	Description	X	AN	1/80	Not Used

PWK

Paperwork

To specify the type and transmission of paperwork or supporting information.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	755	Report Type Code	M	ID	2/2	13 Certified Test Report
02	756	Report Transmission Code	O	ID	2/2	WS W/Shipment IM W/Invoice
03	757	Report Copies Needed	O	N0	1/2	
04	98	Entity Identifier Code	O	ID	2/2	Not Used
05	66	Identification Code Qualifier	X	ID	1/2	ZZ <i>EMJ</i> Branch Number
06	67	Identification Code	X	AN	2/17	
07	352	Description	O	AN	1/80	
08	C002	Actions Indicated	O	C-ID	1/10	Not Used

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TD5

Carrier Details (Routing Sequence/Transit Time)

To specify the carrier, sequence of routing and to provide transit time information.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	133	Routing Sequence Code	O	ID	1/2	B Origin/Delivery Carrier
02	66	Identification Code Qualifier	X	ID	1/2	Not Used
03	67	Identification Code	X	AN	2/17	Not Used
04	91	Transportation Method/Type Code	X	ID	1/2	T Best Way - (Shippers Option)
05	387	Routing	X	AN	1/35	
06	368	Shipment/Order Status Code	O	ID	2/2	Not Used
07	309	Location Qualifier	O	ID	1/2	Not Used
08	310	Location Identifier	X	AN	1/30	Not Used
09	731	Transit Direction Code	O	ID	2/2	Not Used
10	732	Transit Time Direction Qualifier	O	ID	2/2	Not Used
11	733	Transit Time	X	R	1/4	Not Used
12	284	Service Level Code	O	ID	2/2	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	BS Bill & Ship To ST Ship To BT Bill To VN Vendor
02	93	Name	X	AN	1/35	At least one of N102 or N103 is required.
03	66	Identification Code Qualifier	X	ID	1/2	1 DUNS 9 DUNS+4
04	67	Identification Code	X	AN	2/17	Required if N104 is used.
05	706	Entity Relationship Code	O	ID	2/2	Not Used
06	98	Entity Identifier Code	M	ID	2/2	Not Used

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	

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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 one 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.

PO1

Baseline Item Data

To specify basic and most frequently used line item data.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	350	Assigned Identification	M	AN	1/11	Our P.O. line number.
02	330	Quantity Ordered	M	R	1/9	
03	355	Unit or Basis for Measurement Code	M	ID	2/2	FT Feet PC Piece LB Pound
04	212	Unit Price	X	R	1/14	Required if PO105 is used.
05	639	Basis of Unit Price Code	O	ID	2/2	
06	235	Product/Service ID Qualifier	M	ID	2/2	PN <i>EMJ</i> Part Number VN Vendor's Item Number
07	234	Product/Service ID	M	AN	1/30	Part Number
08	235	Product/Service ID Qualifier	O	ID	2/2	HN Heat Number
09	234	Product/Service ID	X	AN	1/30	Heat Number
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

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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	O	ID	1/1	Not Used

MEA

Measurements

To specify physical measurements or counts, including dimensions, tolerances, variances and weights.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	737	Measurement Reference ID Code	O	ID	2/2	
02	738	Measurement Qualifier	O	ID	1/3	LN Length OD Outside Diameter WL Wall Thickness
03	739	Measurement Value	X	R	1/10	Required if MEA05, MEA06 and MEA08 are not used
04	C001	Composite Unit of Measure	X			FT Feet PC Piece LB Pound
05	740	Range Minimum	X	R	1/10	Required if MEA03, MEA06 and MEA08 are not used
06	741	Range Maximum	X	R	1/10	Required if MEA03, MEA05 and MEA08 are not used
07	935	Measurement Significance Code	O	ID	2/2	Not Used
08	936	Measurement Attribute Code	X	ID	2/2	Not Used
09	752	Surface/Layer/Position Code	O	ID	2/2	Not Used
10	1373	Measurement Method or Device	X	ID	2/4	Not Used

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SCH

Line Item Schedule

To specify the data for scheduling a specific item.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	380	Quantity	M	R	1/15	
02	355	Unit or Basis for Measurement Code	M	ID	2/2	FT Feet PC Piece LB Pound
03	98	Entity Identifier Code	O	ID	2/2	Not Used
04	93	Name	X	AN	1/35	Not Used
05	374	Date/Time Qualifier	M	ID	3/3	081 Requested for Shipment
06	373	Date	M	DT	6/6	YYMMDD
07	337	Time	O	TM	4/8	Not Used
08	374	Date/Time Qualifier	X	ID	3/3	Not Used
09	373	Date	O	DT	6/6	Not Used
10	337	Time	O	TM	4/8	Not Used
11	326	Request Reference Number	O	AN	1/45	Not Used
12	350	Assigned Identification	OIZ	AN	1/11	Not Used

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	NO	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	1/80	

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	NO	1/10	
02	329	Transaction Set Control Number	M	AN	4/9	As specified on ST segment.