



**Outbound 856 (Ship Notice Manifest)
X12 Specification
for
Release 003040**

The purpose of this document is to describe the suggested X12 specification to be used to transport Advanced Ship Notice / Manifest data from *EMJ* to its Trading Partners.

O856 X12 - Outbound Ship Notice Manifest

Purpose:

The segment set described in this document comprises the necessary information to receive a Advanced Ship Notice from the Earle M. Jorgensen Co. via EDI. Record sets will be created in lieu of paper ship notice information for Trading Partners accepting ANSI X12 856 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.

O856 X12 - Outbound Ship Notice Manifest

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	BSN	Beginning Segment for Ship Notice	M		1	
040	DTM	Date/Time Reference	O		10	

Table 2

POS NO	SEG. ID	NAME	REQ DES	MAX USE	LOOP	NOTES & COMMENTS
010	HL	Hierarchical Level	M		1 HL1	Defines Shipment Level Hierarchy
150	REF	Reference Numbers	O	>1		
220	N1	Name	O		1 N1	

Table 3

POS NO	SEG. ID	NAME	REQ DES	MAX USE	LOOP	NOTES & COMMENTS
010	HL	Hierarchical Level	M		1 HL2	Defines Order Level Hierarchy
150	REF	Reference Numbers	O	>1		

Table 4

POS NO	SEG. ID	NAME	REQ DES	MAX USE	LOOP	NOTES & COMMENTS
010	HL	Hierarchical Level	M		1 HL3	Defines Item Level Hierarchy
020	LIN	Item Identification	O		1	
030	SN1	Item Detail (Shipment)	O		1	
070	PID	Product /Item Description	O		200	
080	MEA	Measurements	O		40	
090	PWK	Paperwork	O		25	
150	REF	Reference Numbers	O		>1	

Table 5

POS NO	SEG. ID	NAME	REQ DES	MAX USE	LOOP	NOTES & COMMENTS
010	CTT	Transaction Totals	M		1	
020	SE	Transaction Set Trailer	M		1	

O856 X12 - Outbound Ship Notice Manifest

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	856
02	329	Transaction Set Control Number	M	AN	4/9	Generated

BSN

Beginning Segment for Ship Notice

To transmit identifying numbers, dates and other basic data relating to the transaction set.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	353	Transaction Set Purpose Code	M	ID	2/2	14 Advanced Notification
02	396	Shipment Identification	M	AN	2/30	<i>EMJ</i> Bill of Lading ID
03	373	Date	MIZ	DT	6/6	<i>YYMMDD</i>
04	337	Time	MIZ	TM	4/8	<i>HHMM</i>
05	1005	Hierarchical Structure Code	O	ID	4/4	0002 Shipment, Order, Item, Packaging
06	640	Transaction Type Code	XIZ	ID	2/2	Not Used
07	641	Status Reason Code	O	ID	3/3	Not Used

DTM

Date/Time Reference

To specify pertinent dates and times.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	374	Date/Time Qualifier	M	ID	3/3	011 Date Shipped
02	373	Date	M	DT	6/6	<i>YYMMDD</i>
03	337	Time	X	TM	4/8	Not Used
04	623	Time Code	O	ID	2/2	Not Used
05	624	Century	O	NO	2/2	Not Used
06	1250	Date Time Period Format Qualifier	X	ID	2/3	Not Used
07	1251	Date Time Period	X	AN	1/35	Not Used

O856 X12 - Outbound Ship Notice Manifest

HL

Hierarchical Level

To identify dependencies among and the content of hierarchically related groups of data segments.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	628	Hierarchical ID Number	M	AN	1/12	'S' + Bill of Lading Number
02	734	Hierarchical Parent ID Number	O	AN	1/12	EMJ Bill of Lading ID
03	735	Hierarchical Level Code	M	ID	1/2	S Shipment
04	736	Hierarchical Child Code	O	ID	1/1	1 Additional Subordinate

REF

Reference Numbers

To specify identifying numbers.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	128	Reference Number Qualifier	M	ID	2/2	CN Carriers Reference Number (PRO/Invoice)
02	127	Reference Number	X	AN	1/30	At least one of REF02 or REF03 is required.
03	352	Description	X	AN	1/80	

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	ST Ship To BT Bill To
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 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	Not Used
06	98	Entity Identifier Code	M	ID	2/2	Not Used

O856 X12 - Outbound Ship Notice Manifest

HL

Hierarchical Level

To identify dependencies among and the content of hierarchically related groups of data segments.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	628	Hierarchical ID Number	M	AN	1/12	'O' + Invoice Number
02	734	Hierarchical Parent ID Number	O	AN	1/12	'S' + Bill of Lading Number
03	735	Hierarchical Level Code	M	ID	1/2	O Order
04	736	Hierarchical Child Code	O	ID	1/1	1 Additional Subordinate

REF

Reference Numbers

To specify identifying numbers.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	128	Reference Number Qualifier	M	ID	2/2	PO Customer Purchase Order Number
02	127	Reference Number	X	AN	1/30	At least one of REF02 or REF03 is required.
03	352	Description	X	AN	1/80	

HL

Hierarchical Level

To identify dependencies among and the content of hierarchically related groups of data segments.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	628	Hierarchical ID Number	M	AN	1/12	Item Line Number
02	734	Hierarchical Parent ID Number	O	AN	1/12	'O' + Invoice Number
03	735	Hierarchical Level Code	M	ID	1/2	I Item
04	736	Hierarchical Child Code	O	ID	1/1	0 No Subordinate

O856 X12 - Outbound Ship Notice Manifest

LIN

Item Identification

To specify basic item identification data.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	350	Assigned Identification	O	AN	1/11	Our S.O. Line Number
02	235	Product/Service ID Qualifier	M	ID	2/2	PN <i>EMJ</i> Part Number
03	234	Product/Service ID	M	AN	1/30	Required if LIN02 is used
04	235	Product/Service ID Qualifier	O	ID	2/2	BP Customer Part Number
05	234	Product/Service ID	X	AN	1/30	Required if LIN04 is used
06	235	Product/Service ID Qualifier	O	ID	2/2	Not Used
07	234	Product/Service ID	X	AN	1/30	Not Used
08	235	Product/Service ID Qualifier	O	ID	2/2	Not Used
09	234	Product/Service ID	X	AN	1/30	Not Used
10	235	Product/Service ID Qualifier	O	ID	2/2	Not Used
11	234	Product/Service ID	X	AN	1/30	Not Used
12	235	Product/Service ID Qualifier	O	ID	2/2	Not Used
13	234	Product/Service ID	X	AN	1/30	Not Used
14	235	Product/Service ID Qualifier	O	ID	2/2	Not Used
15	234	Product/Service ID	X	AN	1/30	Not Used
16	235	Product/Service ID Qualifier	O	ID	2/2	Not Used
17	234	Product/Service ID	X	AN	1/30	Not Used
18	235	Product/Service ID Qualifier	O	ID	2/2	Not Used
19	234	Product/Service ID	X	AN	1/30	Not Used
20	235	Product/Service ID Qualifier	O	ID	2/2	Not Used
21	234	Product/Service ID	X	AN	1/30	Not Used
22	235	Product/Service ID Qualifier	O	ID	2/2	Not Used
23	234	Product/Service ID	X	AN	1/30	Not Used
24	235	Product/Service ID Qualifier	O	ID	2/2	Not Used
25	234	Product/Service ID	X	AN	1/30	Not Used
26	235	Product/Service ID Qualifier	O	ID	2/2	Not Used
27	234	Product/Service ID	X	AN	1/30	Not Used
28	235	Product/Service ID Qualifier	O	ID	2/2	Not Used
29	234	Product/Service ID	X	AN	1/30	Not Used
30	235	Product/Service ID Qualifier	O	ID	2/2	Not Used
31	234	Product/Service ID	X	AN	1/30	Not Used

SN1

Item Detail (Shipment)

To specify line item detail relative to shipment.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	350	Assigned Identification	OIZ	AN	1/11	Our S.O. Line Number
02	382	Number of Units Shipped	M	R	1/10	
03	355	Unit or Basis for Measurement Code	M	ID	2/2	
04	646	Quantity Shipped to Date	O	R	1/9	
05	330	Quantity Ordered	O	R	1/9	Not Used
06	355	Unit or Basis for Measurement Code	X	ID	2/2	Not Used
07	728	Returnable Container Load Make-Up Code	O	ID	1/2	Not Used
08	668	Line Item Status Code	O	ID	2/2	Not Used

O856 X12 - Outbound Ship Notice Manifest

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	Not Used
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	Not Used
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 MEA03, MEA05 or MEA08 is used.
04	C001	Composite Unit of Measure	XIZ			FT Foot IN Inch
05	740	Range Minimum	X	R	1/10	Required if MEA03, MEA06 or MEA08 are not used
06	741	Range Maximum	X	R	1/10	Required if MEA03, MEA05 or 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

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 Mutually Defined
06	67	Identification Code	X	AN	2/17	EMJ Branch Number
07	352	Description	O	AN	1/80	Not Used
08	C002	Actions Indicated	O	C-ID	1/10	Not Used

O856 X12 - Outbound Ship Notice Manifest

REF

Reference Numbers

To specify identifying numbers.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	128	Reference Number Qualifier	M	ID	2/2	LS Bar-Coded Serial No.
02	127	Reference Number	X	AN	1/30	Bar Code
03	352	Description	X	AN	1/80	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	1/180	

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