



**Inbound 856 (Advanced Ship Notice)  
Supplier X12 Specification  
for  
Release 003040**

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

# I856 X12 - Inbound Advance Ship Notice

## Purpose:

The segment set described in this document comprises the necessary information to send an advance ship notice to the Earle M. Jorgensen Co. via EDI. Record sets will be created in lieu of paper ship notices for Trading Partners receiving 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.

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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	BSN	Beginning Segment for Advance Ship Notice	M	1		
070	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	HL	Loop Repeat- 200000
020	LIN	Item identification	M	1		
030	SN1	Item Detail (shipment)	O	1		
050	PRF	Purchase Order Reference	M	1		
080	MEA	Measurements	M	40		
120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
130	TD3	Carrier Details (Equipment)	M	12		
150	REF	Reference Numbers	M	>1		
210	FOB	F.O.B Related Instructions	O			
220	N1	Name	M	1	N1	Loop Repeat- 200

**Table 3**

POS NO	SEG. ID	NAME	REQ DES	MAX USE	LOOP	NOTES & COMMENTS
010	CTT	Transaction Totals	O	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	<b>856</b>
02	329	Transaction Set Control Number	M	AN	4/9	Generated

## BSN

### Beginning Segment for Advance 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	<b>00</b> Original
02	396	Shipment Identification	M	AN	2/30	Manifest Number
03	373	Date	MIZ	DT	6/6	YY/MM/DD ASN Date
04	337	Time	MIZ	TM	4/8	HH:MM ASN Time
05	1005	Hierarchical Structure Code	O	ID	4/4	Not Used
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	<b>011</b> Shipped
02	373	Date	X	DT	6/6	YY/MM/DD Shipped Date
03	337	Time	X	TM	4/8	HH:MM Shipped Time
04	623	Time Code	O	ID	2/2	CT, ET, PT
05	624	Century	O	N0	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

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## HL

### Hierarchical Level

To identify dependencies among 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	
02	734	Hierarchical Parent ID Number	O	AN	1/12	
03	735	Hierarchical Level Code	M	ID	1/2	S – Shipment Level O – Order Level I – Item Level
04	736	Hierarchical Child Code	O	ID	1/1	

## LIN

### Item Identification

To specify basic item identification data.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	350	Assigned Identification	M	AN	1/11	EMJ'S PO line #
02	235	Product/Service ID Qualifier	M	ID	2/2	BP
03	234	Product/Service ID	M	AN	1/30	EMJ's part#
04	235	Product/Service ID Qualifier	O	ID	2/2	Not Used
05	234	Product/Service ID	X	AN	1/30	Not 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

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## SN1

### Item Detail (Shipment)

To specify the item relative to shipment.

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

## PRF

### Purchase Order Reference

To provide reference to a specific purchase order.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	324	Purchase Order Number	M	AN	1/22	EMJ Purchase Order # ANNNNNN(Alpha Numeric)
02	328	Release Number	O	AN	1/30	If applicable
03	327	Change Order Sequence Number	O	AN	1/8	Not Used
04	323	Purchase Order Date	O	DT	6/6	YY/MM/DD
05	350	Assigned Identification	M	AN	1/11	EMJ Branch ID Number 00NNN (Numreic)
06	367	Contract Number	O	AN	1/30	Not Used
07	92	Purchase Order Type Code	O	ID	2/2	Not Used

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## 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	M	ID	2/2	<b>PD</b> Physical Dimension <b>WT</b> Weight
02	738	Measurement Qualifier	M	ID	1/3	<b>LN</b> Length <b>OD</b> Outside Diameter <b>WL</b> Wall Thickness <b>N</b> Actual Net Weight <b>Ordered Quantity</b>
03	739	Measurement Value	M	R	1/10	
04	C001	Composite Unit of Measure	M	R	1/10	<b>FT</b> Foot <b>PC</b> Piece <b>LB</b> Pound
05	740	Range Minimum	X	R	1/10	
06	741	Range Maximum	X	R	1/10	
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

## 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
B	133	Routing Sequence Code	O	ID	1/2	<b>B</b> Origin/Delivery Carrier-Any Mode
02	66	Identification Code Qualifier	X	ID	1/2	<b>2</b> Standard Carrier (SCAC Code)
03	67	Identification Code	X	AN	2/17	Carrier ID Code
04	91	Transportation Method/Type Code	X	ID	1/2	Not Used
05	387	Routing	X	AN	1/35	Not Used
06	368	Shipment/Order Status Code	X	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	X	ID	2/2	Not Used

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## TD3

### Carrier Details (Equipment)

To specify transportation details relating to the equipment used by the carrier.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	40	Equipment Description code	M	ID	2/2	<b>TL</b> Trailer <b>CN</b> Container <b>AF</b> Air Freight <b>RR</b> Rail Car
02	206	Equipment Initial	O	AN	1/4	Not Used
03	207	Equipment Number	M	AN	1/10	Truck Number
04	187	Weight Qualifier	O	ID	1/2	Not Used
05	81	Weight	X	R	1/10	Not Used
06	355	Unit or Basis for Measurement Code	X	ID	2/2	Not Used
07	102	Ownership Code	O	ID	1/1	Not Used
08	407	Seal Status Code	O	ID	2/2	Not Used
09	225	Seal Number	O	AN	2/15	Not Used

## REF

### Reference Numbers

To specify identifying numbers.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	128	Reference Number Qualifier	M	ID	2/2	<b>HC</b> Heat Code <b>LS</b> Barcoded
02	127	Reference Number	M	AN	1/30	Heat Number
03	352	Description	X	AN	1/80	Not Used

## FOB

### F.O.B Related Instructions

To specify transportation instructions relating to shipment.

REF	ID	NAME	USE	TYPE	LENGTH	COMMENT
01	146	Shipment Method of Payment	OIZ	ID	2/2	<b>PP</b> Prepaid
02	309	Location Qualifier	XIZ	ID	1/2	Not Used
03	352	Description	O	AN	1/80	FOB description
04	334	Transportation Terms Qualifier	O	ID	2/2	Not Used
05	335	Transportation Terms Code	X	ID	3/3	Not Used
06	309	Location Qualifier	XIZ	ID	1/2	Not Used
07	352	Description	O	AN	1/80	Not Used
08	54	Risk of Loss Qualifier	XIZ	ID	1/2	Not Used
09	352	Description	X	AN	1/80	Not Used



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## 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	<b>BD</b> Buying Party <b>SF</b> Ship From <b>ST</b> Ship To <b>SE</b> Selling Party
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. Ship -To Code
05	706	Entity Relationship Code	O	ID	2/2	Not Used
06	98	Entity Identifier Code	O	ID	2/2	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	Not Used
04	355	Unit or Basis for Measurement Code	X	ID	2/2	Not Used
05	183	Volume	O	R	1/8	Not Used
06	355	Unit or Basis for Measurement Code	X	ID	2/2	Not Used
07	352	Description	O	AN	1/80	Not Used

## 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