

# 856 Ship Notice / Manifest

Version 4010

## Functional Group = SH

This Draft Standard for Trial Use contains the format and establishes the data contents of the Ship Notice / Manifest Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information. The sender of this transaction is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

AHR Note: One ASN is required for each purchase order.

### Heading:

<u>Pos</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req Use</u>	<u>Max</u>	<u>Repeat</u>
010	ST	Transaction Set Header	M	1	
020	BSN	Beginning Segment for Ship Notice	M	1	

### Detail:

<u>Pos</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req Use</u>	<u>Max</u>	<u>Repeat</u>
<b>LOOP ID – HL</b>				<b>200000</b>	
010	HL	Hierarchical Level – SHIPMENT LEVEL	M	1	
110	TD1	Carrier Details (Quantity & Weight)	O	20	
120	TD5	Carrier Details (Routing Sequence/Transit Time)	M	12	
150	REF	Reference Identification	O	>1	
200	DTM	Date/Time Reference	O	10	
<b>LOOP ID – N1</b>				<b>200</b>	
220	N1	Name	M	1	
240	N3	Address Information	M	2	
250	N4	Geographic Location	M	1	
270	PER	Administrative Comm. Contact	O	3	
280	FOB	F.O.B. Related Instructions	O	1	
310	CUR	Currency	O	1	
<b>LOOP ID – HL</b>				<b>200000</b>	
010	HL	Hierarchical Level – ORDER LEVEL	M	1	
050	PRF	Purchase Order Reference	M	1	
150	REF	Reference Identification	M	>1	

LOOP ID – HL					200000
010	HL	Hierarchical Level – ITEM LEVEL	M	1	
020	LIN	Item Identification	O	1	
030	SN1	Item Detail (Shipment)	O	1	
040	SLN	Subline Item Detail	O	1000	
070	PID	Product/Item Description	O	200	
100	PKG	Marking, Packaging, Loading	O	25	

Summary:

<u>Pos</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max</u>	<u>Repeat</u>
010	CTT	Transaction Totals	M	1	
0200	SE	Transaction Set Trailer	M	1	

# ST Transaction Set Header

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

EDI Example:

**ST~856~00000295^**

Element Summary:

<b>Elem ID</b>	<b>Elem No.</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Data Type</b>	<b>Min/Max Length</b>	<b>Comments</b>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	<b>856</b>
ST02	329	Transaction Set Control Number	M	AN	4/9	Unique control number within the functional group <b>Must match SE02</b>

# BSN Beginning Segment for Ship Notice

To transmit basic data relating to the Ship Notice.

EDI Example:

**BSN~00~1090561~20020207~1325~0004^**

Element Summary:

<b>Elem ID</b>	<b>Elem No.</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Data Type</b>	<b>Min/Max Length</b>	<b>Comments</b>
BSN01	353	Transaction Set Purpose Code	M	ID	2/2	<b>00</b> - Original
BSN02	396	Shipment Identification	M	AN	2/30	Unique number to identify a specific shipment
BSN03	373	Date	M	DT	8/8	ASN creation date Format = CCYYMMDD
BSN04	337	Time	M	TM	4/8	ASN Creation Time Format=HHMM
BSN05	1005	Hierarchical Structure Code	M	TM	4/4	<b>0001</b> <b>0002</b> <b>0003</b> <b>0004</b>

# HL Hierarchical Level – Shipment Level

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

EDI Example:  
**HL~1~S^**

Element Summary:

<b>Elem ID</b>	<b>Elem No.</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Data Type</b>	<b>Min/Max Length</b>	<b>Comments</b>
HL01	628	Hierarchical ID No.	M	AN	1/12	<b>1</b>
HL03	735	Hierarchical Level Code	M	ID	1/2	<b>S</b> - Shipment

# TD1 Carrier Details (Quantity and Weight)

To specify transportation details relative to commodity, weight and quantity.

EDI Example:

**TD1~39~~~~~606~LB^**

Element Summary:

<b>Elem ID</b>	<b>Elem No.</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Data Type</b>	<b>Min/Max Length</b>	<b>Comments</b>
TD102	80	Lading Quantity	C	N0	1/7	Number of pieces or cartons in this shipment
TD106	187	Weight Qualifier	O	ID	1/ 2	<b>G</b> – Gross Weight
TD107	81	Weight	C	R	1/10	Total weight of cartons in this shipment
TD108	355	Unit of measurement code	C	ID	2/2	<b>LB</b> - Pounds

# TD5 Carrier Details (Routing Sequence/ Transit Time)

This segment can be used to specify a carrier preference and/or method of shipping.

EDI Example:

**TD5~2~ABFS~T^**

Element Summary:

<b>Elem ID</b>	<b>Elem No.</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Data Type</b>	<b>Min/Max Length</b>	<b>Comments</b>
TD502	66	Identification Code qualifier	C	ID	1/2	<b>2</b> – SCAC
TD503	67	Identification Code	C	AN	2/80	SCAC code or Carrier Name
TD504	91	Transportation Method/Type Code	C	ID	1/2	<b>T</b> – Best Way

# REF Reference Identification

To specify identifying information

EDI Example:

**REF~BM~1090561^**

Element Summary:

<b>Elem ID</b>	<b>Elem No.</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Data Type</b>	<b>Min/Max Length</b>	<b>Comments</b>
REF01	128	Reference ID Qualifier	M	ID	2/3	<b>BM</b> – Bill of Lading number
REF02	127	Reference Identification	M	AN	1/15	Reference information as defined by the REF01 qualifier



# DTM Date / Time Reference

To specify pertinent dates at the item level

EDI Example:

**DTM~067~20020208~1452^**

Element Summary:

<b>Elem ID</b>	<b>Elem No.</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Data Type</b>	<b>Min/Max Length</b>	<b>Comments</b>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Code specifying type of date <b>067</b> – Deliver Date
DTM02	373	Date	M	DT	8/8	Date format = CCYYMMDD
DTM03	337	Time	M	TM	4/8	Time format = HHMM

# N1 Name

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

EDI Example:

**N1~SF~XYZ LINEN CORP~92~V6J^**

Element Summary:

<b>Elem ID</b>	<b>Elem No.</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Data Type</b>	<b>Min/Max Length</b>	<b>Comments</b>
N101	98	Entity Identifier Code	M	ID	2/2	<b>ST</b> -Ship to <b>SF</b> -Ship from
N102	93	Name	C	AN	1/35	
N103	66	Identification Code Qualifier	C	ID	1/2	<b>92</b> -Assigned by buyer
N104	67	ID Code	M	AN	2/17	AHR Supplier Number (from PO)

# N3 Address Information

To specify the location of the named party

EDI Example:

**N3~210 S. MILWAUKEE AVE^**

Element Summary:

<b>Elem ID</b>	<b>Elem No.</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Data Type</b>	<b>Min/Max Length</b>	<b>Comments</b>
N301	166	Address Information	M	AN	1/35	
N302	166	Address Information	O	AN	1/35	

# N4 Geographic Location

To specify the geographic place of the named party

EDI Example:

**N4~VERNON HILLS~IL~60061^**

Element Summary:

<b>Elem ID</b>	<b>Elem No.</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Data Type</b>	<b>Min/Max Length</b>	<b>Comments</b>
N401	19	City Name	M	AN	2/19	
N402	156	State or Province Code	M	ID	2/2	
N403	116	Postal Code	M	ID	5/9	(exclude punctuation)

# PER Administrative Communications Contact

This segment can optionally be used to communicate contact names or departments.

EDI Example:

**PER~SH~ALICE CUSTOMER SVC^**

Element Summary:

<b>Elem ID</b>	<b>Elem No.</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Data Type</b>	<b>Min/Max Length</b>	<b>Comments</b>
PER01	366	Contact Function Code	O	ID	2/2	Code identifying the responsibility of the person named <b>SH</b> – Shipper Contact
PER02	93	Name	O	AN	1/60	Free-form name Or E-Mail

# FOB F.O.B. Related Instructions

This segment can optionally be used to communicate freight payment responsibility.

EDI Example:

**FOB~CC ~~~02~FOB^**

Element Summary:

Elem ID	Elem No.	Name	Req. Des.	Data Type	Min/Max Length	Comments
FOB01	146	Shipment Method of Payment	M	ID	2/2	Code identifying payment terms for transportation chgs. <b>CC</b> – Collect <b>PP</b> – Prepaid <b>PC</b> - Prepaid &Add <b>DF</b> - Expenses & Reimbursements
FOB04	334	Transportation Qualifier code	O	ID	2/2	Code identifying the source of the transport terms <b>02</b> –Terms Trade code
FOB05	335	Transportation Terms code	C	ID	3/3	Code identifying the terms for the shipment transport Responsibility <b>FOB</b> – Free on Board

# CUR Currency

To specify the currency (dollars, pounds, francs, etc.) used in a transaction.

EDI Example:

**CUR~SE~USD^**

Element Summary:

<b>Elem ID</b>	<b>Elem No.</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Data Type</b>	<b>Min/Max Length</b>	<b>Comments</b>
CUR01	98	Entity Identifier Code	O	ID	2/3	Code identifying an individual <b>SE</b> – Selling party
CUR02	100	Currency Code	O	AN	3/3	Country code in whose currency the charges are specified <b>USD</b> –U S Dollars

# HL Hierarchical Level – Order Level

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

EDI Example:

**HL~2~1~O^**

Element Summary:

<b>Elem ID</b>	<b>Elem No.</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Data Type</b>	<b>Min/Max Length</b>	<b>Comments</b>
HL01	628	Hierarchical ID No.	M	AN	1/12	<b>2</b>
HL02	734	Hierarchical Parent ID Number	O	AN	1/12	Identification of the data segment this one is subordinate to
HL03	735	Hierarchical Level Code	M	ID	1/2	<b>O - Order</b>



# PRF Purchase Order Reference

To provide a reference to a specific purchase order.

EDI Example:

**PRF~8012907~~~20020208~~~DS^**

Element Summary:

<b>Elem ID</b>	<b>Elem No.</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Data Type</b>	<b>Min/Max Length</b>	<b>Comments</b>
PRF01	324	Purchase Order Number	M	AN	1/22	AHR Purchase Order Number
PRF04	373	Date	M	DT	8/8	PO date Date format = CCYYMMDD
PRF07	92	Purchase Order Type Code	M	ID	2/2	PO Type (from BEG02 of PO) <b>NE</b> – New Order <b>DS</b> – Drop Ship

# REF Reference Identification

To specify identifying information.

EDI Example:

**REF~SI~123456^**

Element Summary:

<b>Elem ID</b>	<b>Elem No.</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Data Type</b>	<b>Min/Max Length</b>	<b>Comments</b>
REF01	128	Reference ID Qualifier	M	ID	2/3	<b>SI</b> – Shipper Shipment Id# <b>CO</b> -Customer's Order Number (Drop Ship only) <b>VN</b> -Vendor's Order Number
REF02	127	Reference ID	C	AN	1/30	Number as specified by the REF01 qualifier

# HL Hierarchical Level – Item Level

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

EDI Example:

**HL~3~2~I^**

Element Summary:

<b>Elem ID</b>	<b>Elem No.</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Data Type</b>	<b>Min/Max Length</b>	<b>Comments</b>
HL01	628	Hierarchical ID No.	M	AN	1/12	<b>3</b>
HL02	734	Hierarchical Parent ID Number	O	AN	1/12	Identification of the data segment this one is subordinate to
HL03	735	Hierarchical Level Code	M	ID	1/2	<b>I - Item</b>

# LIN Item Identification

To specify basic item identification data.

EDI EXAMPLE:

**LIN~10~BP~XYZ1234~VN12345HB^**

Element Summary:

<b>Elem ID</b>	<b>Elem No.</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Data Type</b>	<b>Min/Max Length</b>	<b>Comments</b>
LIN01	350	Assigned Identification	M	AN	1/20	AHR Purchase order line number
LIN02	235	Product/Service ID Qualifier	M	ID	2/2	<b>BP</b> – Buyer’s Part Number
LIN03	234	Product Service ID	M	AN	1/48	AHR Item Number
LIN04	235	Product/Service ID Qualifier	O	ID	2/2	<b>VN</b> – Vendor’s Item Number
LIN05	234	Product Service ID	O	AN	1/48	Vendor Item Number

# SN1 Item Detail (Shipment)

To specify line item detail relative to shipment.

EDI Example:

**SN1~10~15~CA^**

Element Summary:

<b>Elem ID</b>	<b>Elem No.</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Data Type</b>	<b>Min/Max Length</b>	<b>Comments</b>
SN101	350	Assigned ID	M	AN	1/20	Purchase Order Line number
SN102	382	Number of Units Shipped	M	R	1/10	Quantity shipped for a line item
SN103	355	Unit or Basis for Measurement code	M	ID	2/2	<b>EA</b> – Each <b>CA</b> – Case <b>CT</b> – Carton <b>DZ</b> - Dozen <b>PK</b> - Pack

# PID Product / Item Description

To describe a product in free-form format

EDI Example:

**PID~F~~~~BLANKET 108 x 90 IVORY^**

Element Summary:

<b>Elem ID</b>	<b>Elem No.</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Data Type</b>	<b>Min/Max Length</b>	<b>Comments</b>
PID01	349	Item Description Type	M	ID	1/1	Code indicating the format of a description <b>F</b> – Free-form
PID05	352	Description	C	AN	1/80	A Free-form description to clarify the related data elements

# CTT Transaction Totals

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

EDI Example:

**CTT~3^**

Element Summary:

<b>Elem ID</b>	<b>Elem No.</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Data Type</b>	<b>Min/Max Length</b>	<b>Comments</b>
CTT01	354	Number of line items	M	N0	1/6	Total number of line items (HL segments) in the transaction set

# 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)

EDI Example:

**SE~20~0000295^**

Element Summary:

<b>Elem ID</b>	<b>Elem No.</b>	<b>Name</b>	<b>Req. Des.</b>	<b>Data Type</b>	<b>Min/Max Length</b>	<b>Comments</b>
SE01	96	Number of included segments	M	N0	1/10	Total number of segments (incl. ST and SE)
SE02	329	Transaction set control number	M	AN	4/9	Unique identifying control number within the transaction set functional group <b>Must match ST02</b>



## Example Transaction

ST~856~00000295^  
BSN~00~8123456~20020208~1026~0004^  
HL~1~~S^  
TD1~~30~~~~G~35~LB^  
TD5~~2~ABFS~T^  
REF~BM~1090561^  
DTM~067~20020212~1549^  
N1~SF~XYZ LINEN~92~V6J^  
N3~450 CIRCLE PKWY^  
N4~GREEN VALLEY~NY~12042^  
N1~ST~AMERICAN HOTEL REGISTER^  
N3~210 S MILWAUKEE AVE^  
N4~VERNON HILLS~IL~60061^  
PER~SH~FRED.ROBERTS@anymail.com^  
FOB~PP~~~02~FOB^  
CUR~SE~USD^  
HL~2~1~O^  
PRF~8123456~~~20020201~~~~NE^  
REF~SI~12345SB ^  
HL~3~2~I^  
LIN~10~BP~M6J194V3604~VN~BL108X90-I01^  
SN1~10~39~CA^  
PID~F~~~~VELLUX BLANKET 108 x 90 IVORY^  
HL~4~2~I^  
LIN~20~BP~M6J2240TW~VN~BT22X40-W01^  
SN1~20~200~DZ^  
PID~F~~~~BATH TOWEL 22 X 40 WHITE  
HL~5~2~I^  
LIN~30~BP~M6J1212WC~VN~WC12X12-G01^  
SN1~30~75~DZ^  
PID~F~~~~WASH CLOTH 12 X 12 GREEN^  
CTT~5^  
SE~34~00000295^