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## **856 Ship Notice/Manifest**

### **Updates – Feb 2012**

- Added TD507 and TD508 at Detail Level

### **Updates – Dec 2010**

- Added BY (Buyer) to N1 loop.

### **Changes – 10/2009**

- DTM01 - 011 Qualifier
- Added TD1 segment at Shipment Level
- Added TD4 segment at Shipment Level
- N404 is now mandatory for HW
- Added FOB segment
- LIN segment -additional information
- Added TD1 at Item level
- Additional Qualifiers on REF segment

**856****Ship Notice/Manifest**

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 communication 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.

**Table 1**

	POS. NO.	SEGID	Name	Req. Des.	Max Use	Loop Repeat
Mandatory	010	ST	Transaction Set Header	M	1	
Mandatory	020	BSN	Beginning Segment for Ship Notice	M	1	
Used	040	DTM	Date/Time Reference	O	10	

**Table 2**

	POS. NO.	SEGID	Name	Req. Des.	Max Use	Loop Repeat
Mandatory	010	HL	Hierarchical Level	M	1	200000
Mandatory	020	LIN	Item Identification	O	1	
Mandatory	030	SN1	Item Detail (Shipment)	O	1	
Used	110	TD1	Carrier Details (Quantity and Weight)	O	20	
Mandatory	120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Used	140	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Mandatory	150	REF	Reference Identification	M	200	
Used	200	DTM	Date/Time Reference	O	10	
Used	210	FOB	F.O.B. Related Instructions	O	1	
Mandatory	220	N1	Name	O	1	200
Used	230	N2	Additional Name Information	O	2	
Used	240	N3	Address Information	O	2	
Used	250	N4	Geographic Location	O	1	

**Table 3**

	POS. NO.	SEGID	Name	Req. Des.	Max Use	Loop Repeat
Used	010	CTT	Transaction Totals	M	1	
Mandatory	020	SE	Transaction Set Trailer	M	1	

**Segment:** **ST** Transaction Set Header  
**Level:** Heading  
**Loop:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number.

	REF. DES.	DATA ELEM	NAME	REQ	TYPE	MIN	MAX
Mandatory	<b>ST01</b>	143	<b>Transaction Set Identifier Code</b>	<b>M</b>	<b>ID</b>	<b>3</b>	<b>3</b>
Mandatory	<b>ST02</b>	329	<b>Transaction Set Control Number</b>	<b>M</b>	<b>AN</b>	<b>4</b>	<b>9</b>

**Segment:** **BSN** Beginning Segment for Ship Notice  
**Level:** Header  
**Loop:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit identifying numbers, dates, and other basic data relating to the transaction set

	REF. DES.	DATA ELEM	NAME	REQ	TYPE	MIN	MAX
Mandatory	<b>BSN01</b>	353	<b>Transaction Set Purpose Code</b> 00 Original	M	ID	2	2
Mandatory	<b>BSN02</b>	396	<b>Shipment Identification – ASN Number</b>	M	AN	2	30
Mandatory	<b>BSN03</b>	373	<b>Date</b>	M	DT	6	6
Mandatory	<b>BSN04</b>	337	<b>Time</b>	M	TM	4	6
Not used	<b>BSN05</b>	1005	<b>Hierarchical Structure Code</b>	O	ID	4	4

BSN02 = ASN Number = LAST 6 digits of your supplier number + **6 sequential digits**

Example = Supplier 0123456789 – ASN # = 456789000001 then next ASN # = 456789000002

**Segment:** DTM Date/Time Reference  
**Level:** Heading  
**Loop:**  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify pertinent dates and times

	REF. DES.	DATA ELEM	NAME	REQ	TYPE	MIN	MAX
Mandatory	<b>DTM01</b>	374	<b>Date/Time Qualifier</b> <b>011 Shipped</b> 017 Estimated Delivery	<b>M</b>	<b>ID</b>	<b>3</b>	<b>3</b>
Used	<b>DTM02</b>	373	<b>Date</b>	<b>X</b>	<b>DT</b>	<b>6</b>	<b>6</b>
Not Used	<b>DTM03</b>	337	<b>Time</b>	<b>X</b>	<b>TM</b>	<b>4</b>	<b>6</b>

**Segment:** HL Hierarchical Level  
**Level:** Detail  
**Loop:** HL (S)  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments.

	REF. DES.	DATA ELEM	NAME	REQ	TYPE	MIN	MAX
Mandatory	HL01	628	Hierarchical ID Number	M	AN	1	12
Used	HL02	734	Hierarchical Parent ID Number	O	AN	1	12
Used	HL03	735	Hierarchical Level Code S Shipment	M	ID	1	2
Used	HL04	736	Hierarchical Child Code 1 Additional Subordinate HL Data Segment in This Hierarchical Structure	O	ID	1	1

**Segment:** TD1 Carrier Details (Quantity and Weight)  
**Level:** Detail  
**Loop:** HL (S)  
**Usage:** Optional  
**Max Use:** 20  
**Purpose:** To specify transportation details relative to commodity, weight, and quantity.

	REF. DES.	DATA ELEM	NAME	REQ	TYPE	MIN	MAX
Used	TD101	103	<b>Packaging Code</b> CTN Cartons	O	AN	3	5
Used	TD102	80	<b>Lading Quantity</b>	C	NO	1	7
Not Used	TD103	23	<b>Commodity Code Qualifier</b>	O	ID	1	1
Not Used	TD104	22	<b>Commodity Code</b>	C	AN	1	16
Not Used	TD105	79	<b>Lading Description</b>	O	AN	1	50
Not Used	TD106	187	<b>Weight Qualifier</b> G Gross Weight N Net Weight	O	ID	1	2
Not Used	TD107	81	<b>Weight</b>	C	R	1	8
Not Used	TD108	355	<b>Unit or Basis of Measurement code</b> KG Kilogram LB Pound	C	ID	2	2

TD102 = Total Cartons Shipped

**Segment:** TD5 Carrier Details (Routing Sequence)  
**Level:** Detail  
**Loop:** HL (S)  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify the carrier and sequence of routing and provide the transit time information. .

	REF. DES.	DATA ELEM	NAME	REQ	TYPE	MIN	MAX
Not Used	TD501	133	Routing Sequence Code	O	ID	1	2
Not Used	TD502	66	Identification Code Qualifier	C	ID	1	2
Not Used	TD503	67	Identification Code	C	AN	2	17
Not Used	TD504	91	Transportation Method/Type Code	C	AN	1	2
Mandatory	TD505	387	Routing	M	AN	1	35
Used	TD507	309	Location Qualifier	O	ID	1	2
			ZZ Mutually Defined				
Used	TD508	310	Location Identifier	C	AN	1	25

Notes:

TD505=Carrier Name (Mandatory)

When TD507=ZZ then TD508=Tracking Number



**Segment:** **TD4** Carrier Details (Special Handling, or Hazardous Materials, or Both)  
**Level:** Detail  
**Loop:** HL (S)  
**Usage:** Optional  
**Max Use:** 5  
**Purpose:** To specify transportation special handling requirements, or hazardous materials information, or both.

	REF. DES.	DATA ELEM	NAME	REQ	TYPE	MIN	MAX
Used	<b>TD401</b>	152	<b>Special Handling Code</b> HM Endorsed as Hazardous Material	<b>C</b>	<b>ID</b>	<b>2</b>	<b>3</b>
Not Used	<b>TD402</b>	208	<b>Hazardous Material Code Qualifier</b>	<b>C</b>	<b>ID</b>	<b>1</b>	<b>1</b>
Not Used	<b>TD403</b>	209	<b>Hazardous Material Class Code</b>	<b>C</b>	<b>AN</b>	<b>2</b>	<b>4</b>
Not Used	<b>TD404</b>	352	<b>Description</b>	<b>C</b>	<b>AN</b>	<b>1</b>	<b>80</b>

**Segment:** REF Reference Identification  
**Level:** Detail  
**Loop:** HL (S)  
**Usage:** Mandatory  
**Max Use:** >1  
**Purpose:** To specify identifying information

	REF. DES.	DATA ELEM	NAME	REQ	TYPE	MIN	MAX
Mandatory	REF01	128	Reference Identification Qualifier	M	ID	2	2
			PK Packing List Number				
			L1 Letters & Note				
			IV Seller's Invoice Number				
			PO PO Number				
			ZZ Mutually Defined				
			LT Lot Numbers				
			SE Serial Numbers				
Used	REF02	127	Reference Identification	C	AN	1	30
Used	REF03	352	Description	C	AN	1	80

**NOTES:**

When REF01=SE, then REF02=Serial

When REF01=LT, then REF02=Lot Numbers

When REF01=ZZ, REF02 states whether item is taxable or not = (1) Yes or (2) No

When REF01=IV, REF02 = Invoice #

REF01 = 'PK' qualifier is mandatory for Honeywell. The packing list number is required.

REF01 = 'PO' qualifier is mandatory for Honeywell. The Purchase Order # is required to be sent.

Segment: **FOB** F.O.B. Related Instructions

Position:

Loop:

Level: Heading

Usage: Optional

Max Use: 1

Purpose: To specify transportation instructions relating to shipment

Syntax Notes: 1 If FOB03 is present, then FOB02 is required.

2 If FOB04 is present, then FOB05 is required.

3 If FOB07 is present, then FOB06 is required.

4 If FOB08 is present, then FOB09 is required.

Semantic Notes:

Comments: 1 FOB01 indicates which party will pay the carrier.  
 2 FOB02 is the code specifying transportation responsibility location.  
 3 FOB06 is the code specifying title passage location.  
 4 FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

	REF. DES.	DATA ELEM	NAME	REQ	TYPE	MIN	MAX
Mandatory	<b>FOB01</b>	146	<b>Shipment Method of Payment</b> Code identifying payment terms for transportation charges CC Collect CD Collect on Delivery CF Collect, Freight, Credited back to Customer DF Defined by Buyer and Seller PB Customer Pick Up/Backhaul PC Prepaid but charged to Customer PP Prepaid (by Seller) PU Pickup RC Return Container Freight Paid by Customer RS Return Container Freight Paid by Supplier	<b>M</b>	<b>ID</b>	<b>2</b>	<b>2</b>
Used	<b>FOB02</b>	309	<b>Location Qualifier</b> Code Identifying type of location CA Country of Origin DE Destination (Shipping) OR Origin (shipping Point) PE Port of Entry-Port where customs declared ZZ Mutually Defined	<b>C</b>	<b>ID</b>	<b>1</b>	<b>2</b>
Used	<b>FOB03</b>	352	<b>Description</b> A freeform description to clarify the related data elements and their content	<b>O</b>	<b>AN</b>	<b>1</b>	<b>80</b>

SHIP NOTICE/MANIFEST

**Segment:** N1            Name  
**Level:** Detail  
**Loop:** N1  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name,  
and code

	REF. DES.	DATA ELEM	NAME	REQ	TYPE	MIN	MAX
Mandatory	N101	98	<b>Entity Identifier Code</b> BY Buyer SF Shipped From SU Supplier/Manufacturer ST Ship To 16 Plant	M	ID	2	2
Used	N102	93	<b>Name</b>	C	AN	1	35
Used	N103	66	<b>Identification Code Qualifier</b> 92 Assigned by Buyer or Buyer's Agent	C	ID	1	2
Used	N104	67	<b>Identification Code</b>	C	AN	2	17

**Segment:** N3            Address Information  
**Level:**        Detail  
**Loop:**         N1  
**Usage:**        Optional  
**Max Use:**      2  
**Purpose:**                    To specify the location of the named party

	REF. DES.	DATA ELEM	NAME	REQ	TYPE	MIN	MAX
Used	<b>N301</b>	166	<b>Address Information</b>	<b>M</b>	<b>AN</b>	<b>1</b>	<b>35</b>
Used	<b>N302</b>	166	<b>Address Information</b>	<b>O</b>	<b>AN</b>	<b>1</b>	<b>35</b>

**Segment:** N4 Geographic Location  
**Level:** Detail  
**Loop:** N1  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party

	REF. DES.	DATA ELEM	NAME	REQ	TYPE	MIN	MAX
Used	N401	19	City Name	O	AN	2	19
Used	N402	156	State or Province Code	O	ID	2	2
Used	N403	116	Postal Code	O	ID	4	9
Mandatory	N404	26	Country Code	M	ID	2	2

**N404 is mandatory for Honeywell**

**Segment:** HL Hierarchical Level  
**Level:** Detail  
**Loop:** HL (I)  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments.

	REF. DES.	DATA ELEM	NAME	REQ	TYPE	MIN	MAX
Mandatory	<b>HL01</b>	628	<b>Hierarchical ID Number</b>	<b>M</b>	<b>AN</b>	<b>1</b>	<b>12</b>
Not Used	<b>HL02</b>	734	<b>Hierarchical Parent ID Number</b>	<b>O</b>	<b>AN</b>	<b>1</b>	<b>12</b>
Used	<b>HL03</b>	735	<b>Hierarchical Level Code</b> I Item	<b>M</b>	<b>ID</b>	<b>1</b>	<b>2</b>
Used	<b>HL04</b>	736	<b>Hierarchical Child Code</b> 0 No Subordinate HL Segment in This Hierarchical Structure	<b>O</b>	<b>ID</b>	<b>1</b>	<b>1</b>

SHIP NOTICE/MANIFEST

**Segment:** LIN Item Identification  
**Level:** Detail  
**Loop:** HL (I)  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify basic item identification data

	REF. DES.	DATA ELEM	NAME	REQ	TYPE	MIN	MAX
Used	LIN01	350	Assigned Identification	O	AN	1	11
Mandatory	LIN02	235	Product/Service ID Qualifier BP Buyer Part Number	M	ID	2	2
Mandatory	LIN03	234	Product/Service ID	M	AN	1	30
Mandatory	LIN04	235	Product/Service ID Qualifier PL PO Line #	M	ID	2	2
Mandatory	LIN05	234	Product/Service ID	M	AN	1	30
Used	LIN06	235	Product/Service ID Qualifier DR Drawing Revision #	O	ID	2	2
Used	LIN07	234	Product/Service ID	O	AN	1	30
Used	LIN08	235	Product/Service ID Qualifier CH Country of Origin (Country of Mfg)	O	ID	2	2
Used	LIN09	234	Product/Service ID	O	AN	1	30
Mandatory	LIN10	235	Product/Service ID Qualifier VP Vendor Part #	M	ID	2	3
Mandatory	LIN11	234	Product/Service ID	M	AN	1	30
Mandatory	LIN12	235	Product/Service ID Qualifier PD Part Description	M	ID	2	3
Mandatory	LIN13	234	Product/Service ID	M	AN	1	30



**Segment:** **SN1**      Item Detail (Shipment)  
**Level:**      Detail  
**Loop:**      HL (I)  
**Usage:**      Optional  
**Max Use:**    1  
**Purpose:**                      To specify line-item detail relative to shipment

	REF. DES.	DATA ELEM	NAME	REQ	TYPE	MIN	MAX
Not used	<b>SN101</b>	350	<b>Assigned Identification</b>	<b>O</b>	<b>AN</b>	<b>1</b>	<b>11</b>
Mandatory	<b>SN102</b>	382	<b>Number of Units Shipped</b>	<b>M</b>	<b>R</b>	<b>1</b>	<b>10</b>
Mandatory	<b>SN103</b>	355	<b>Unit or Basis for Measurement Code</b>	<b>M</b>	<b>ID</b>	<b>2</b>	<b>2</b>

**Segment:** TD1 Carrier Details (Quantity and Weight)  
**Level:** Detail  
**Loop:** HL (I)  
**Usage:** Optional  
**Max Use:** 20  
**Purpose:** To specify transportation details relative to commodity, weight, and quantity.

	REF. DES.	DATA ELEM	NAME	REQ	TYPE	MIN	MAX
Not Used	TD101	103	<b>Packaging Code</b> PCK Package	O	AN	5	5
Not Used	TD102	80	<b>Lading Quantity</b>	C	NO	1	7
Not Used	TD103	23	<b>Commodity Code Qualifier</b>	O	ID	1	1
Not Used	TD104	22	<b>Commodity Code</b>	C	AN	1	16
Not Used	TD105	79	<b>Lading Description</b>	O	AN	1	50
Used	TD106	187	<b>Weight Qualifier</b> G Gross Weight	O	ID	1	2
Used	TD107	81	<b>Weight</b>	C	R	1	8
Used	TD108	355	<b>Unit or Basis of Measurement code</b> KG Kilogram LB Pound	C	ID	2	2

**Segment:** DTM      Date/Time Reference  
**Level:** Detail  
**Loop:** HL (I)  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify pertinent dates and times

	REF. DES.	DATA ELEM	NAME	REQ	TYPE	MIN	MAX
Mandatory	DTM01	374	<b>Date/Time Qualifier</b> 002 Delivery Requested	M	ID	3	3
Used	DTM02	373	<b>Date</b>	X	DT	6	6

**Segment:** CTT Transaction Totals  
**Level:** Summary  
**Loop:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit a hash total for a specific element in the transaction set.

	REF. DES.	DATA ELEM	NAME	REQ	TYPE	MIN	MAX
Mandatory	CTT01	354	Number of Line Items	M	N0	1	6
Not used	CTT02	347	Hash Total	O	R	1	10
Not used	CTT03	81	Weight	C	R	1	8
Not used	CTT04	355	Unit or Basis for Measurement Code	C	ID	2	2
Not used	CTT05	183	Volume	C	R	1	8
Not used	CTT06	355	Unit or Basis for Measurement Code	C	ID	2	2
Not used	CTT07	352	Description	O	AN	1	80

**Segment:** **SE** Transaction Set Trailer  
**Level:** Summary  
**Loop:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of a transaction set and to provide the count of the transmitted segments (including the beginning (ST) and the ending (SE) segments)

	REF. DES.	DATA ELEM	NAME	REQ	TYPE	MIN	MAX
Mandatory	<b>SE01</b>	96	<b>Number of included segments</b>	<b>M</b>	<b>NO</b>	<b>1</b>	<b>6</b>
Mandatory	<b>SE02</b>	329	<b>Transaction Set Control Number</b>	<b>M</b>	<b>AN</b>	<b>4</b>	<b>9</b>

Appendix A**List of Carriers**

Other  
Airborne Express  
Averitt Express  
BAX Global  
DHL  
Duie Pyle  
Emery  
Fed-Ex  
JEVIC  
North American Van Lines  
PJAX  
Pilot Air  
Roadway  
Suppliers Truck  
UPS  
USFC  
Vitran Express  
Yellow

Appendix B

<b>Code</b>	<b>Unit of Measure</b>
BF	Board Foot
BO	Bottle
BR	Barrel
BX	Box
CA	Case
CT	Carton
EA	Each
FT	Foot
GA	Gallon
GS	Gross
HR	Hour
HU	Hundred
KT	Kit
LB	Pound
LO	Lot
LY	Linear Yard
OZ	Ounce
PC	Pieces
PD	Pad
PK	Package
PR	Pair
PT	Pint
QT	Quart
RL	Roll
SF	Square Foot
SH	Sheet
SI	Square Inch
SO	Spool
ST	Set
SY	Square Yard
TB	Tube
TH	Thousand
TN	Net Ton (2,000 LB)
YD	Yard