

Table of Contents

856	Ship Notice/Manifest	1
ST	Transaction Set Header	2
BSN	Beginning Segment for Ship Notice	3
DTM	Date/Time Reference	4
HL	Loop Hierarchical Level	5
HL	Hierarchical Level	6
TD1	Carrier Details (Quantity and Weight)	7
TD5	Carrier Details (Routing Sequence/Transit Time)	8
REF	Reference Identification	9
N1	Loop Name	10
N1	Name	11
N2	Additional Name Information	12
N3	Address Information	13
N4	Geographic Location	14
HL	Loop Hierarchical Level	15
HL	Hierarchical Level	16
LIN	Item Identification	17
SN1	Item Detail (Shipment)	18
PRF	Purchase Order Reference	19
CTT	Transaction Totals	20
SE	Transaction Set Trailer	21

856 Ship Notice/Manifest

Functional Group=SH

Purpose: 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.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BSN	Beginning Segment for Ship Notice	M	1			Must use
040	DTM	Date/Time Reference	M	10			Used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<u>LOOP ID - HL</u>					<u>200000</u>	<u>C2/010L</u>	
010	HL	Hierarchical Level	M	1		C2/010	Must use
110	TD1	Carrier Details (Quantity and Weight)	O	20			Used
120	TD5	Carrier Details (Routing Sequence/Transit Time)	M	12			Used
150	REF	Reference Identification	M	>1			Used
<u>LOOP ID - N1</u>					<u>200</u>		
220	N1	Name	M	1			Used
230	N2	Additional Name Information	O	2			Not used
240	N3	Address Information	O	2			Used
250	N4	Geographic Location	O	1			Used
<u>LOOP ID - HL</u>					<u>200000</u>	<u>C2/010L</u>	
010	HL	Hierarchical Level	M	1		C2/010	Must use
020	LIN	Item Identification	O	1			Used
030	SN1	Item Detail (Shipment)	O	1			Used
050	PRF	Purchase Order Reference	O	1			Used

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	CTT	Transaction Totals	O	1		N3/010	Used
020	SE	Transaction Set Trailer	M	1			Must use

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use
Description: Code uniquely identifying a Transaction Set						
CodeList Summary (Total Codes: 298, Included: 1)						
Code Name						
856 Ship Notice/Manifest						
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

BSN Beginning Segment for Ship Notice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BSN01	353	Transaction Set Purpose Code	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

CodeList Summary (Total Codes: 65, Included: 2)

Code Name

00	Original
01	Cancellation

BSN02	396	Shipment Identification	M	AN	2/30	Must use
-------	-----	-------------------------	---	----	------	----------

Description: A unique control number assigned by the original shipper to identify a specific shipment

Unique supplier-assigned number that is not repeated within a one year period when BSN01="00"

BSN03	373	Date	M	DT	8/8	Must use
-------	-----	------	---	----	-----	----------

Description: Date expressed as CCYYMMDD

BSN04	337	Time	M	TM	4/8	Must use
-------	-----	------	---	----	-----	----------

Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

DTM Date/Time Reference

Pos: 040	Max: 10
Heading - Mandatory	
Loop: N/A	Elements: 3

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use

Description: Code specifying type of date or time, or both date and time

CodeList Summary (Total Codes: 1112, Included: 2)

Code Name

- 011 Shipped
- 017 Estimated Delivery

DTM02	373	Date	X	DT	8/8	Used
-------	-----	------	---	----	-----	------

Description: Date expressed as CCYYMMDD

DTM03	337	Time	X	TM	4/8	Used
-------	-----	------	---	----	-----	------

Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Both a DTM segment with a code value of "011" and a DTM segment with a code value of "017" are required
The Estimated delivery date cannot be less than the Shipped Date
The Ship Date must be prior to the Estimated Delivery Date
The Ship Date must not be in the future

Loop Hierarchical Level

Pos: 010	Repeat: 200000
Mandatory	
Loop: HL	Elements: N/A

User Option (Usage): Must use

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	HL	Hierarchical Level	M	1		Must use
110	TD1	Carrier Details (Quantity and Weight)	O	20		Used
120	TD5	Carrier Details (Routing Sequence/Transit Time)	M	12		Used
150	REF	Reference Identification	M	>1		Used
220		Loop N1	M		200	Used

HL Hierarchical Level

Pos: 010	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 3

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use

Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure

This value of the HL01 at the shipment level should be "1"

HL02	734	Hierarchical Parent ID Number	O	AN	1/12	Not used
------	-----	--------------------------------------	---	----	------	----------

Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to

Not used for this occurrence of the HL segment

HL03	735	Hierarchical Level Code	M	ID	1/2	Must use
------	-----	--------------------------------	---	----	-----	----------

Description: Code defining the characteristic of a level in a hierarchical structure

This value of the HL03 at the shipment level should be "S"

CodeList Summary (Total Codes: 170, Included: 1)

Code Name

S Shipment

TD1 Carrier Details (Quantity and Weight)

Pos: 110	Max: 20
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

Purpose: To specify the transportation details relative to commodity, weight, and quantity

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD101	103	Packaging Code	O	AN	3/5	Used
<p>Description: Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required All valid standard codes are used. (Total Codes: 203)</p>						
TD102	80	Lading Quantity	X	NO	1/7	Used
<p>Description: Number of units (pieces) of the lading commodity</p>						

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 120	Max: 12
Detail - Mandatory	
Loop: HL	Elements: 4

User Option (Usage): Used

Purpose: To specify the carrier and sequence of routing and provide transit time information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD501	133	Routing Sequence Code	O	ID	1/2	Used

Description: Code describing the relationship of a carrier to a specific shipment movement

CodeList Summary (Total Codes: 23, Included: 1)

Code Name

B Origin/Delivery Carrier (Any Mode)

TD502	66	Identification Code Qualifier	X	ID	1/2	Used
-------	----	-------------------------------	---	----	-----	------

Description: Code designating the system/method of code structure used for Identification Code (67)

CodeList Summary (Total Codes: 215, Included: 1)

Code Name

2 Standard Carrier Alpha Code (SCAC)

TD503	67	Identification Code	X	AN	2/80	Used
-------	----	---------------------	---	----	------	------

Description: Code identifying a party or other code

*SCAC code value must be approved by Oshkosh Logistics
SCAC code must always be a 4 character value*

TD504	91	Transportation Method/Type Code	X	ID	1/2	Used
-------	----	---------------------------------	---	----	-----	------

Description: Code specifying the method or type of transportation for the shipment

All valid standard codes are used. (Total Codes: 71)

One TD5 segment with a TD502 of "2" and an Oshkosh approved SCAC code in the TD502 is required

REF Reference Identification

Pos: 150	Max: >1
Detail - Mandatory	
Loop: HL	Elements: 2

User Option (Usage): Used

Purpose: To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1503, Included: 3)

Code Name

- BM Bill of Lading Number
- CN Carrier's Reference Number (PRO/Invoice)
- PK Packing List Number

REF02	127	Reference Identification	X	AN	1/30	Used
-------	-----	--------------------------	---	----	------	------

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

*BM = BOL Number
 CN = Tracking Number
 Either the REF/BM or the REF/CN is required to be transmitted
 The REF/PK is optional*

Loop Name

Pos: 220	Repeat: 200
Mandatory	
Loop: N1	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
220	N1	Name	M	1		Used
230	N2	Additional Name Information	O	2		Not used
240	N3	Address Information	O	2		Used
250	N4	Geographic Location	O	1		Used

Both the N1/ST and the N1/SF are required to be transmitted

N1 Name

Pos: 220	Max: 1
Detail - Mandatory	
Loop: N1	Elements: 4

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual

CodeList Summary (Total Codes: 1312, Included: 3)

Code Name

- SF Ship From
- ST Ship To
- SU Supplier/Manufacturer

N102	93	Name	X	AN	1/60	Used
------	----	------	---	----	------	------

Description: Free-form name

N103	66	Identification Code Qualifier	X	ID	1/2	Used
------	----	-------------------------------	---	----	-----	------

Description: Code designating the system/method of code structure used for Identification Code (67)

All valid standard codes are used. (Total Codes: 215)

N104	67	Identification Code	X	AN	2/80	Used
------	----	---------------------	---	----	------	------

Description: Code identifying a party or other code

The value in the N104 of the N1/SF and the N1/ST must contain the same N104 codes sent in the N104 of the EDI 850 Purchase Order or EDI 860 PO Change

N2 Additional Name Information

Pos: 230	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

User Option (Usage): Not used

Purpose: To specify additional names or those longer than 35 characters in length

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N201	93	Name	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	Name	O	AN	1/60	Used
		Description: Free-form name				

N3 Address Information

Pos: 240	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information	M	AN	1/55	Must use
		Description: Address information				
N302	166	Address Information	O	AN	1/55	Used
		Description: Address information				

N4 Geographic Location

Pos: 250	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				

Loop Hierarchical Level

Pos: 010	Repeat: 200000
Mandatory	
Loop: HL	Elements: N/A

User Option (Usage): Must use

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	HL	Hierarchical Level	M	1		Must use
020	LIN	Item Identification	O	1		Used
030	SN1	Item Detail (Shipment)	O	1		Used
050	PRF	Purchase Order Reference	O	1		Used

HL Hierarchical Level

Pos: 010	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 2

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use

Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure

This value of the HL01 at the item level should start at "2" and increment by 1 for each item line

HL03	735	Hierarchical Level Code	M	ID	1/2	Must use
------	-----	-------------------------	---	----	-----	----------

Description: Code defining the characteristic of a level in a hierarchical structure

This value of the HL03 at the item level should be "I"

CodeList Summary (Total Codes: 170, Included: 1)

Code Name

I Item

LIN Item Identification

Pos: 020	Max: 1
Detail - Optional	
Loop: HL	Elements: 3

User Option (Usage): Used

Purpose: To specify basic item identification data

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN01	350	Assigned Identification	M	AN	1/20	Used

Description: Alphanumeric characters assigned for differentiation within a transaction set
This element is required and must contain the PO Line Number from the PO101 sent in the EDI 850 Purchase Order

LIN02	235	Product/Service ID Qualifier	M	ID	2/2	Must use
-------	-----	-------------------------------------	---	----	-----	----------

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

CodeList Summary (Total Codes: 477, Included: 1)

Code Name

BP Buyer's Part Number

LIN03	234	Product/Service ID	M	AN	1/48	Must use
-------	-----	---------------------------	---	----	------	----------

Description: Identifying number for a product or service

One instance with "BP" is required to be transmitted with our Buyer's Part Number

SN1 Item Detail (Shipment)

Pos: 030	Max: 1
Detail - Optional	
Loop: HL	Elements: 3

User Option (Usage): Used

Purpose: To specify line-item detail relative to shipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SN101	350	Assigned Identification	M	AN	1/20	Used
<p>Description: Alphanumeric characters assigned for differentiation within a transaction set</p> <p><i>This is a mandatory element and must contain the 1 to 3 digit numeric PO Shipment Number which is transmitted in the SCH12 of the EDI 850 Purchase Order</i></p>						
SN102	382	Number of Units Shipped	M	R	1/10	Must use
<p>Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set</p>						
SN103	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
<p>Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p>All valid standard codes are used. (Total Codes: 794)</p>						

PRF Purchase Order Reference

Pos: 050	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

Purpose: To provide reference to a specific purchase order

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PRF01	324	Purchase Order Number	M	AN	1/22	Must use

Description: Identifying number for Purchase Order assigned by the orderer/purchaser

If sending BOTH the Blanket and Release number, this should contain the Blanket PO number

If sending a Spot-buy PO or just the Release number, this element should contain the Spot-buy or Release number

PRF02	328	Release Number	O	AN	1/30	Used
-------	-----	-----------------------	---	----	------	------

Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction

If sending both the Blanket PO number and Release number, the PRF01 should contain the Blanket PO number and this element should contain the Release Number

CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: N/A	Elements: 1

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items	M	NO	1/6	Must use

Description: Total number of line items in the transaction set

SE Transaction Set Trailer

Pos: 020	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	N0	1/10	Must use
		Description: Total number of segments included in a transaction set including ST and SE segments				
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				