



**Advance Ship Notice 856
Version 4010**

Version 1.1

856 Ship Notice/Manifest

Functional Group ID=**SH**

Introduction:

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. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BSN	Beginning Segment for Ship Notice	M	1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - HL	200000			
M	010	HL	Hierarchical Level	M	1		
M	110	TD1	Carrier Details (Quantity and Weight)	M	20		
M	120	TD5	Carrier Details (Routing Sequence/Transit Time)	M	12		
M	150	REF	Reference Identification	M	>1		
M	200	DTM	Date/Time Reference	M	10		
M	210	FOB	F.O.B. Related Instructions	M	1		
			LOOP ID - N1	200			
M	220	N1	Name	M	1		
M	240	N3	Address Information	M	2		
M	250	N4	Geographic Location	M	1		
			LOOP ID - HL	200000			
M	010	HL	Hierarchical Level	M	1		
M	050	PRF	Purchase Order Reference	M	1		
			LOOP ID - HL	200000			
M	010	HL	Hierarchical Level	M	1		
M	190	MAN	Marks and Numbers	M	>1		
			LOOP ID - HL	200000			
M	010	HL	Hierarchical Level	M	1		
M	020	LIN	Item Identification	M	1		
M	030	SN1	Item Detail (Shipment)	M	1		

Summary:

	<u>Pos.</u>	<u>Seg.</u>		<u>Req.</u>		<u>Loop</u>	<u>Notes and</u>
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Max.Use</u>	<u>Repeat</u>	<u>Comments</u>
M	010	CTT	Transaction Totals	M	1		n1
M	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of units shipped (SN102) for each SN1 segment.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 856 Ship Notice/Manifest	M ID 3/3
ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

Segment: **BSN** Beginning Segment for Ship Notice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
BSN01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original	M ID 2/2
BSN02	396	Shipment Identification A unique control number assigned by the original shipper to identify a specific shipment	M AN 2/30
BSN03	373	Date Date expressed as CCYYMMDD	M DT 8/8
BSN04	337	Time 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)	M TM 4/8

Segment: **HL** Hierarchical Level
Position: 010
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M AN 1/12
HL02	734	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	O AN 1/12
HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure	M ID 1/2
		S Shipment	

Segment: **TD1** Carrier Details (Quantity and Weight)
Position: 110
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 20
Purpose: To specify the transportation details relative to commodity, weight, and quantity

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
TD101	103	Packaging Code 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 CTN Carton	M AN 3/5
TD102	80	Lading Quantity Number of units (pieces) of the lading commodity	M N0 1/7
TD106	187	Weight Qualifier Code defining the type of weight G Gross Weight	M ID 1/2
TD107	81	Weight Numeric value of weight	M R 1/10
TD108	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken LB Pound	M ID 2/2
TD109	183	Volume Value of volumetric measure	O R 1/8
TD110	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CF Cubic Feet	O ID 2/2

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)
Position: 120
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 12
Purpose: To specify the carrier and sequence of routing and provide transit time information

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
TD501	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement O Origin Carrier (Air, Motor, or Ocean)	M ID 1/2
TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 2 Standard Carrier Alpha Code (SCAC) 92 Assigned by Buyer or Buyer's Agent	M ID 1/2
TD503	67	Identification Code Code identifying a party or other code	M AN 2/80
TD505	387	Routing Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	M AN 1/35

Segment: **REF** Reference Identification
Position: 150
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: To specify identifying information

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification BM Bill of Lading Number CN Carrier's Reference Number (PRO/Invoice) MB Master Bill of Lading	M ID 2/3
REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30

Segment: **DTM** Date/Time Reference
Position: 200
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 10
Purpose: To specify pertinent dates and times

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 011 Shipped	M ID 3/3
DTM02	373	Date Date expressed as CCYYMMDD	M DT 8/8

Segment: **FOB** F.O.B. Related Instructions
Position: 210
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify transportation instructions relating to shipment

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
FOB01	146	Shipment Method of Payment	M ID 2/2
		Code identifying payment terms for transportation charges	
		CC	Collect
		PP	Prepaid (by Seller)

Segment: **N1** Name
Position: 220
Loop: N1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual SF Ship From ST Ship To	M ID 2/3
N102	93	Name Free-form name	M AN 1/60
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 91 Assigned by Seller or Seller's Agent 92 Assigned by Buyer or Buyer's Agent	C ID 1/2
N104	67	Identification Code Code identifying a party or other code	C AN 2/80

Segment: **N3** Address Information
Position: 240
Loop: N1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 2
Purpose: To specify the location of the named party

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
N301	166	Address Information Address information	M AN 1/55
N302	166	Address Information Address information	O AN 1/55

Segment: **N4** Geographic Location
Position: 250
Loop: N1 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify the geographic place of the named party

Data Element Summary

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

Segment: **HL** Hierarchical Level
Position: 010
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M AN 1/12
HL02	734	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	M AN 1/12
HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure O Order	M ID 1/2

Segment: **PRF** Purchase Order Reference
Position: 050
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To provide reference to a specific purchase order

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
PRF01	324	Purchase Order Number	M AN 1/22
		Identifying number for Purchase Order assigned by the orderer/purchaser	
		Purchase Order number must be identical to the BEG03 sent in the 850.	
PRF02	328	Release Number	O AN 1/30
		Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	
		Release Number is sent here.	

Segment: **HL** Hierarchical Level
Position: 010
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M AN 1/12
HL02	734	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	M AN 1/12
HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure	M ID 1/2
		P	Pack

Segment: **MAN** Marks and Numbers
Position: 190
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: To indicate identifying marks and numbers for shipping containers

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
MAN01	88	Marks and Numbers Qualifier	M ID 1/2
		Code specifying the application or source of Marks and Numbers (87)	
		CP Carrier-Assigned Package ID Number	
		GM SSCC-18 and Application Identifier	
MAN02	87	Marks and Numbers	M AN 1/48
		Marks and numbers used to identify a shipment or parts of a shipment	

Segment: **HL** Hierarchical Level
Position: 010
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
HL01	628	Hierarchical ID Number A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M AN 1/12
HL02	734	Hierarchical Parent ID Number Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	M AN 1/12
HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure	M ID 1/2
		Item	

Segment: **LIN** Item Identification
Position: 020
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify basic item identification data

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
LIN01	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	M AN 1/20
LIN02	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) UP U.P.C. Consumer Package Code (1-5-5-1)	M ID 2/2
LIN03	234	Product/Service ID Identifying number for a product or service	M AN 1/48
LIN04	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) IN Buyer's Item Number	M ID 2/2
LIN05	234	Product/Service ID Identifying number for a product or service	M AN 1/48
LIN06	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) VA Vendor's Style Number	M ID 2/2
LIN07	234	Product/Service ID Identifying number for a product or service	M AN 1/48

Segment: **SN1** Item Detail (Shipment)
Position: 030
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify line-item detail relative to shipment

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
SN102	382	Number of Units Shipped Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	M R 1/10
SN103	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken EA Each	M ID 2/2

Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
CTT01	354	Number of Line Items Total number of line items in the transaction set	M N0 1/6

Segment: **SE** Transaction Set Trailer
Position: 020
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
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)

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9