



856 Ship Notice/Manifest

Functional Group ID=**SH**

Introduction:

This standard provides the standardized format and establishes the data contents of a ship notice/manifest transaction set within the context of an electronic data interchange (EDI) environment. A ship notice/manifest lists 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.

	<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	ST	Transaction Set Header	M	1		
M	BSN	Beginning Segment for Ship Notice	M	1		
M	DTM	Date/Time/Period	M	2		
LOOP ID - HL					1	S
M	HL	Hierarchical Level	M	1		
M	MEA	Measurements	O	2		
M	TD1	Carrier Details (Quantity and Weight)	O	20		
M	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
M	TD3	Carrier Details (Equipment)	O	1		
	REF	Reference Numbers	O	6		
	FOB	F.O.B. Related Instructions	O	1		
LOOP ID - N1					4	
M	N1	Name	O	1		
	CUR	Currency	O	1		
	ITA	Allowance, Charge or Service	O	12		
LOOP ID - HL					200000	I
M	HL	Hierarchical Level	M	1		
M	LIN	Item Identification	O	1		
M	SN1	Item Detail (Shipment)	O	1		
	SLN	Subline Item Detail	O	1		
M	PRF	Purchase Order Reference	O	1		
	MEA	Measurements	O	2		
	REF	Reference Numbers	O	2		
LOOP ID - CLD					8	
	CLD	Load Detail	M	1		
	REF	Reference Numbers	M	200		
	ITA	Allowance, Charge or Service	O	10		
M	CTT	Transaction Totals	M	1		
M	SE	Transaction Set Trailer	M	1		



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

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143 Transaction Set Identifier Code Code uniquely identifying a Transaction Set 856 X12.10 Ship Notice/Manifest	M ID 3/3
M	ST02	329 Transaction Set Control Number Identifying control number assigned by the originator for a Transaction Set. Also see: Data Interchange Control Number (28.)	M AN 4/9



Segment: **BSN** Beginning Segment for Ship Notice
Loop:
Level: Header
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.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	BSN01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original 01 Cancellation 05 Replace 12 Not Processed	M ID 2/2
M	BSN02	396	Shipment Identification A unique control number assigned by the original shipper to identify a specific shipment	M AN 2/30
M	BSN03	373	Date Date (YYMMDD) Supplier local date	M DT 6/6
M	BSN04	337	Time Supplier local time. Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	M TM 4/4



Segment: **DTM** Date/Time/Period
Loop:
Level: Header
Usage: Mandatory
Max Use: 10
Purpose: To specify pertinent dates and times

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 011 Shipped 017 Estimated Delivery	M ID 3/3
M	DTM02	373	Date Date (YYMMDD) Supplier local date	M DT 6/6
M	DTM03	337	Time Supplier local time. Time expressed in 24-hour clock time (HHMM) (Time range: 0000 though 2359).	M TM 4/4



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

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	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
M	HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure S Shipment	M ID 1/2



Segment: **MEA** Measurements
Loop: HL Mandatory 1
Level: Shipment
Usage: Mandatory
Max Use: 2
Purpose: To specify physical measurements, including dimension tolerances, weights and counts.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	MEA01	737	Measurement Reference ID Code Code specifying the application of physical measurement cited. PD Physical Dimensions	M ID 2/2
M	MEA02	738	Measurement Qualifier Code identifying the type of measurement. G Gross Weight N Actual Net Weight	M ID 1/3
M	MEA03	739	Measurement Value The value of the measurement	M R 1/10
M	MEA04	355	Unit or Basis for Measurement Code Code identifying the basic unit of measurement.	M ID 2/2



Segment: **TD1** Carrier Details (Quantity and Weight)
Loop: HL Mandatory 1
Level: Shipment
Usage: Mandatory
Max Use: 20
Purpose: To specify the transportation details relative to commodity, weight, and quantity

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	TD101	103 Packaging Code Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material	M ID 5/5
M	TD102	80 Lading Quantity Number of units (pieces) of the lading commodity	M N0 1/7



Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)
Loop: HL Mandatory 1
Level: Shipment
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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	TD501	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement	M ID 1/2
M	TD502	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 2 Standard Carrier Alpha Code (SCAC)	M ID 1/2
M	TD503	67	Identification Code Code identifying a party.	M ID 2/17
M	TD504	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment	M ID 1/2
	TD507	309	Location Qualifier Code identifying type of Location Identifier (310) used.	O ID 1/2
	TD508	310	Location Identifier Code which identifies a specific location	C AN 1/25



Segment: **TD3** Carrier Details (Equipment)
Loop: HL Mandatory 1
Level: Shipment
Usage: Mandatory
Max Use: 1
Purpose: To specify transportation details relating to the equipment used by the carrier

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	TD301	40	Equipment Description Code Code identifying type of equipment used for shipment Refer to 002002 Data Element Dictionary for acceptable code values.	M ID 2/2
	TD302	206	Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number	C AN 1/4
M	TD303	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	M AN 1/10



Segment: **REF** Reference Numbers
Loop: HL Mandatory 1
Level: Shipment
Usage: Optional
Max Use: 6

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Number Qualifier Code qualifying the Reference Number. PK Packing List Number BM Bill of Lading Number FR Freight Bill Number AW Air Waybill Number SN Seal Number	M ID 2/2
M	REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128).	M AN 1/30



Segment: **FOB** F.O.B. Related Instructions
Loop: HL Mandatory 1
Level: Shipment
Usage: Optional
Max Use: 1

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	FOB01	146	Shipment Method of Payment Code identifying payment terms for transportation charges CC Collect PP Prepaid (by Seller) Refer to 002002 Data Element Dictionary for acceptable code values.	M ID 2/2
M	FOB05	335	Transportation Terms Code Code identifying the trade terms which apply to the shipment transportation responsibility. Six digit codes represent INCOTERMS. Refer to 002002 Data Element Dictionary for acceptable code values.	M ID 3/6
M	FOB06	309	Location Qualifier Code identifying type of Location Identifier (310) used. DE Destination (Shipping) OR Origin (Shipping Point)	M ID 1/2



Segment: N1 Name
Loop: N1 Optional 4
Level: Shipment
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	N101	98	Entity Identifier Code Code identifying an organizational entity or a physical location. IC Intermediate Consignee SF Ship From ST Ship To SU Supplier/Manufacturer	M ID 2/2
M	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	M ID 1/2
M	N104	67	Identification Code Code identifying a party.	M ID 2/17



Segment: **CUR** Currency
Loop: HL Mandatory 1
Level: Shipment
Usage: Optional
Max Use: 1
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Data Element Summary

Ref.	Data	Name	Attributes
Des.	Element		
M	CUR01	98 Entity Identifier Code	M ID 2/2
		Code identifying an organizational entity or a physical location.	
M	CUR02	100 Currency Code	M ID 3/3
		Code (Standard ISO) for country in whose currency the charges are specified	



Segment: **ITA** Allowance, Charge or Service
Loop: HL Mandatory 1
Level: Shipment
Usage: Optional
Max Use: 12
Purpose: To specify allowances, charges, or services

Data Element Summary

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	ITA01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified	M ID 1/1
	ITA03	560	Special Services Code Code identifying the special service	C ID 2/10
M	ITA04	331	Allowance or Charge Method of Handling Code Code indicating method of handling for an allowance or charge	M ID 2/2
	ITA07	360	Allowance or Charge Total Amount Total dollar amount for the allowance or charge	C N2 1/9



Segment: **HL** Hierarchical Level
Loop: HL Mandatory 200000
Level: Item
Usage: Mandatory
Max Use: 200000
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	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 1 Shipment	O AN 1/12
M	HL03	735	Hierarchical Level Code Code defining the characteristic of a level in a hierarchical structure I Item	M ID 1/2



Segment: **LIN** Item Identification
Loop: HL Mandatory 200000
Level: Item
Usage: Mandatory
Max Use: 1
Purpose: To specify basic item identification data

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	LIN02	235	Product/Service ID Qualifier Alphanumeric characters assigned for differentiation within a transaction set Code identifying the type/source of the descriptive number used in Product/Service ID (234) BP Buyer's Part Number	M ID 2/2
M	LIN03	234	Product/Service ID Identifying number for a product or service	M AN 1/30



Segment: **SN1** Item Detail (Shipment)
Loop: HL Mandatory 200000
Level: Item
Usage: Mandatory
Max Use: 1
Purpose: To specify line-item detail relative to shipment

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	SN102	382	Number of Units Shipped Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set. Also see: Unit of Measurement Code (355).	M R 1/10
M	SN103	355	Unit or Basis for Measurement Code Code identifying the basic unit of measurement. Refer to 002002 Data Element Dictionary for acceptable code values.	M ID 2/2
M	SN104	646	Quantity Shipped to Date Number of units shipped to date	O R 1/9



Segment: **SLN** Subline Item Detail
Loop: HL Mandatory 200000
Level: Item
Usage: Optional
Max Use: 1
Purpose: To specify product subline detail item data

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	SLN03 661	Configuration Code Code indicating the relationship of the subline item to the baseline item. I Included	M ID 1/1
M	SLN04 380	Quantity Numeric value of Quantity. Also see: Unit of Measurement Code (355).	M R 1/10
M	SLN05 355	Unit or Basis for Measurement Code Code identifying the basic unit of measurement. Refer to 002002 Data Element Dictionary for acceptable code values.	M ID 2/2
	SLN06 212	Unit Price Price per unit of product, service, commodity, etc. Refer to 002002 Data Element Dictionary for acceptable code values.	C R 1/14



Segment: **PRF** Purchase Order Reference
Loop: HL Mandatory 200000
Level: Item
Usage: Mandatory
Max Use: 1
Purpose: To provide reference to a specific purchase order

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<u>Des.</u> PRF01	<u>Element</u> 324 Purchase Order Number	M AN 1/22
		Identifying number for Purchase Order assigned by the orderer/purchaser	



Segment: **MEA** Measurements
Loop: HL Mandatory 200000
Level: Item
Usage: Optional
Max Use: 2
Purpose: To specify physical measurements, including dimension tolerances, weights and counts.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	MEA01	737	Measurement Reference ID Code Code specifying the application of physical measurement cited. PD Physical Dimensions	M ID 2/2
M	MEA02	738	Measurement Qualifier Code identifying the type of measurement. G Gross Weight N Actual Net Weight	M ID 1/3
M	MEA03	739	Measurement Value The value of the measurement	M R 1/10
M	MEA04	355	Unit or Basis for Measurement Code Code identifying the basic unit of measurement.	M ID 2/2



Segment: REF Reference Numbers
Loop: HL Mandatory 200000
Level: Item
Usage: Optional
Max Use: 2
Purpose: To specify identifying numbers.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Number Qualifier Code qualifying the Reference Number. LT Lot Number PK Packing List Number	M ID 2/2
M	REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128).	M AN 1/30



Segment: **CLD** Load Detail
Loop: CLD Mandatory 8
Level: Item
Usage: Mandatory
Max Use: 1
Purpose: To specify the number of material loads shipped

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	CLD01	622	Number of Loads Number of customer-defined loads shipped by the supplier	M N0 1/5
M	CLD02	382	Number of Units Shipped Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set. Also see: Unit of Measurement Code (355).	M R 1/10
M	CLD03	103	Packaging Code Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material	M ID 5/5



Segment: **REF** Reference Numbers
Loop: CLD Mandatory 8
Level: Item
Usage: Mandatory
Max Use: 200
Purpose: To specify identifying numbers. Only used with CLD.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Number Qualifier Code qualifying the Reference Number. LS Bar-Coded Serial Number	M ID 2/2
M	REF02	127	Reference Number Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. Also see Reference Number Qualifier, (128).	M AN 1/8



Segment: **ITA** Allowance, Charge or Service
Loop: HL Mandatory 200000
Level: Item
Usage: Optional
Max Use: 10

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	ITA01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified	M ID 1/1
	ITA03	560	Special Services Code Code identifying the special service	C ID 2/10
M	ITA04	331	Allowance or Charge Method of Handling Code Code indicating method of handling for an allowance or charge	M ID 2/2
	ITA07	360	Allowance or Charge Total Amount Total dollar amount for the allowance or charge	C N2 1/9



Segment: CTT Transaction Totals
Loop:
Level: Trailer
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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	CTT01	354	Number of Line Items Total number of line items in the transaction set	M N0 1/6
M	CTT02	347	Hash Total Sum of values of the specific data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the leftmost digits if the sum is greater than the maximum size of the hash total of the data element.	M R 1/10



Segment: **SE** Transaction Set Trailer
Loop:
Level:
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>		
M	SE01	96 Number of Included Segments	M N0 1/6
		Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329 Transaction Set Control Number	M AN 4/9
		Identifying control number assigned by the originator for a Transaction Set. Also see: Data Interchange Control Number (28.)	