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:

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

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL			1	
M	010	HL	Hierarchical Level - Shipment Level	M	1		c1
	110	TD1	Carrier Details (Quantity and Weight)	O	1		
	120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	1		
	130	TD3	Carrier Details (Equipment)	O	1		
	150	REF	Reference Identification	O	1		
	200	DTM	Date/Time Reference	O	2		
	210	FOB	F.O.B. Related Instructions	O	1		
			LOOP ID - N1			2	
M	220	N1	Name	M	1		
	240	N3	Address Information	O	1		
	250	N4	Geographic Location	O	1		
			LOOP ID - HL			200000	
M	010	HL	Hierarchical Level - Order Level	M	1		c2
M	050	PRF	Purchase Order Reference	M	1		
	110	TD1	Carrier Details (Quantity and Weight)	O	1		
			LOOP ID - HL			200000	
M	010	HL	Hierarchical Level - Pack Level	M	1		c3
M	190	MAN	Marks and Numbers	M	1		
			LOOP ID - HL			200000	
M	010	HL	Hierarchical Level - Item Level	M	1		c4
M	020	LIN	Item Identification	M	1		
M	030	SN1	Item Detail	M	1		

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
	010	CTT	Transaction Totals	O	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.

Transaction Set Comments

1. The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
2. The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
3. The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.
4. The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

				Segment:	**ST** Transaction Set Header

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
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

Data Element Summary

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

	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
	Semantic Notes:	**1** BSN03 is the date the shipment transaction set is created.
		2 BSN04 is the time the shipment transaction set is created.
		3 BSN06 is limited to shipment related codes.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	BSN01	353	**Transaction Set Purpose Code**	M	**ID 2/2**
			Code identifying purpose of transaction set		
			00 Original		
M	BSN02	396	**Shipment Identification**	M	**AN 20/20**
			A unique control number assigned by the original shipper to identify a specific shipment		
M	BSN03	373	**Date**	M	**DT 8/8**
			Date expressed as CCYYMMDD		
	BSN05	1005	**Hierarchical Structure Code**	O	**ID 4/4**
			Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set		
			0001 Shipment, Order, Packaging, Item		

Segment:	**HL** Hierarchical Level - Shipment 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				
Semantic Notes:					

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	HL01	628	**Hierarchical ID Number**	M	AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure		
M	HL03	735	**Hierarchical Level Code**	M	ID 1/12
			Code defining the characteristic of a level in a hierarchical structure		
			S	Shipment	

	TD1 Carrier Details (Quantity and Weight)
Segment:	
Position:	110
Loop:	HL Mandatory
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the transportation details relative to commodity, weight, and quantity
Semantic Notes:	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
TD101	**103**	**Packaging Code**	**O AN 3/5**

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

Ref. Des.	Data Element	Name	Attributes
TD102	**80**	**Lading Quantity**	**X N0 1/7**

Number of units (pieces) of the lading commodity

Segment:	**TD5** Carrier Details (Routing Sequence/Transit Time)
Position:	120
Loop:	HL Mandatory
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the carrier and sequence of routing and provide transit time information
Semantic Notes:	**1** TD515 is the country where the service is to be performed.

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
TD502	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**
		Code designating the system/method of code structure used for Identification Code (67)		
		2 Standard Carrier Alpha Code (SCAC)		
TD503	**67**	**Identification Code**	**X**	**AN 1/4**
		Code identifying a party or other code		
TD505	**387**	**Routing**	**X**	**AN 1/35**
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity		

Segment: **TD3** Carrier Details (Equipment)
Position: 130
Loop: HL   Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify transportation details relating to the equipment used by the carrier
Semantic Notes:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
TD301	**40**	**Equipment Description Code**	**X**	**ID 2/2**
		Code identifying type of equipment used for shipment		
		TL Trailer (not otherwise specified)		
TD303	**207**	**Equipment Number**	**O**	**AN 1/10**
		Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)		

Segment: # REF Reference Identification
Position: 150
Loop: HL   Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Semantic Notes: **1**   REF04 contains data relating to the value cited in REF02.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
M REF01	128	**Reference Identification Qualifier**	M ID 2/3
		Code qualifying the Reference Identification	
		IA Internal Vendor Number	
REF02	127	**Reference Identification**	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment: **DTM** Date/Time Reference
Position: 200
Loop: HL   Mandatory
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify pertinent dates and times
Semantic Notes:

Data Element Summary

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

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

Semantic Notes:

1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.
3. FOB06 is the code specifying the 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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	FOB01	146	**Shipment Method of Payment**	M	ID 2/2
			Code identifying payment terms for transportation charges		
			CC Collect		
			CF Collect, Freight Credited Back to Customer		
			PC Prepaid but Charged to Customer		
			PP Prepaid (by Seller)		
	FOB02	309	**Location Qualifier**	X	ID 1/2
			Code identifying type of location		
			OR Origin (Shipping Point)		
	FOB03	352	**Description**	O	AN 1/80
			A free-form description to clarify the related data elements and their content		

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
Semantic Notes:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	N101	98	**Entity Identifier Code**	M	**ID 2/3**

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

    ST   Ship To
    VN   Vendor

	Ref. Des.	Data Element	Name		Attributes
	N102	93	**Name**	X	**AN 1/60**

Free-form name

	Ref. Des.	Data Element	Name		Attributes
	N103	66	**Identification Code Qualifier**	X	**ID 1/2**

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

    92   Assigned by Buyer or Buyer's Agent

	Ref. Des.	Data Element	Name		Attributes
	N104	67	**Identification Code**	X	**AN 2/80**

Code identifying a party or other code

Segment: # N3 Address Information

Position:	240
Loop:	N1 Mandatory
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the location of the named party
Semantic Notes:	

Data Element Summary

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

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

Data Element Summary

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

Segment: **HL** **Hierarchical Level - Order 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
Semantic Notes:

Data Element Summary

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

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			
Semantic Notes:		1	PRF04 is the date assigned by the purchaser to purchase order.		

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	PRF01	324	**Purchase Order Number**	M	AN 1/10
			Identifying number for Purchase Order assigned by the orderer/purchaser		

Segment: **TD1** **Carrier Details (Quantity and Weight)**
Position: 110
Loop: HL   Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the transportation details relative to commodity, weight, and quantity
Semantic Notes:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
TD101	103	Packaging Code	O	AN 3/5

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

TD102	80	Lading Quantity	X	N0 1/7

Number of units (pieces) of the lading commodity

Segment: **HL** **Hierarchical Level - Pack 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

Semantic Notes:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	HL01	628	**Hierarchical ID Number**	M	AN 1/12
			A unique number assigned by the sender to identify a particular data segment in a hierarchical structure		
M	HL02	734	**Hierarchical Parent ID Number**	M	AN 1/12
			Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to		
M	HL03	735	**Hierarchical Level Code**	M	ID 1/2
			Code defining the characteristic of a level in a hierarchical structure		
			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
Semantic Notes:	1 MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container.
	2 When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range.
	3 When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	MAN01	88	**Marks and Numbers Qualifier**	M	ID 1/2
			Code specifying the application or source of Marks and Numbers (87)		
			AI UCC/EAN-128 Application Identifier (AI) and Data		
M	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 - Item 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			
Semantic Notes:					

Data Element Summary

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

		Segment:	**LIN** Item Identification		

Segment: **LIN** Item Identification
Position: 020
Loop: HL Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify basic item identification data
Semantic Notes: 1 LIN01 is the line item identification

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	LIN01	350	**Assigned Identification**	M	**AN 1/20**
			Alphanumeric characters assigned for differentiation within a transaction set		
M	LIN02	235	**Product/Service ID Qualifier**	M	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			SK Stock Keeping Unit (SKU)		
M	LIN03	234	**Product/Service ID**	M	**AN 1/20**
			Identifying number for a product or service		
	LIN04	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			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)		
	LIN05	234	**Product/Service ID**	X	**AN 1/12**
			Identifying number for a product or service		
	LIN06	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			VN Vendor's (Seller's) Item Number		
	LIN07	234	**Product/Service ID**	X	**AN 1/15**
			Identifying number for a product or service		
	LIN08	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			CB Buyer's Catalog Number		
	LIN09	234	**Product/Service ID**	X	**AN 1/10**
			Identifying number for a product or service		
	LIN10	235	**Product/Service ID Qualifier**	X	**ID 2/2**
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			PG Packaging Specification Number		
	LIN11	234	**Product/Service ID**	X	**AN 1/3**
			Identifying number for a product or service		

	Segment:	SN1 Item Detail
	Position:	030
	Loop:	HL Mandatory
	Level:	Detail
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To specify line-item detail relative to shipment
	Semantic Notes:	1 SN101 is the ship notice line-item identification.

Data Element Summary

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

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

Data Element Summary

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

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)
Semantic Notes:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	SE01	96	**Number of Included Segments**	M	N0 1/10
			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 that must be unique within the transaction set functional group assigned by the originator for a transaction set		