X12 856

Ship Notice/Manifest

Version: 004010
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Revision History

Revision	Date	Prepared By	Comments
1.0	Jul 2025	Integration Team	Initial Version

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. The purpose of the 856 ASN is to provide the final "Ship to" of the goods with detailed information relating to the actual contents of a dispatch sent by a "Ship from." The message is based upon the definition of a dispatch as a specified amount of goods sent by a specified "Ship from" to a specified "Ship to" on a specific occasion

Usage Indicators:

Usage Indicators are applied at all levels of the guidelines and shown adjacent to data items such as segment groups, segments, composite data elements and simple data elements. They dictate the agreed usage of the data items or entities.

The Usage Indicators are:

Value	Description
M	Mandatory
	Indicates the item is mandatory in the UN/EDIFACT message.
X	Conditional
	The entity is used by agreement between trading partners
O	Optional
	Indicates that this item is at the need or discretion of both trading partners.
NA	Not Recommended (Advised)
	Indicates the item needn't be transmitted in this implementation.

Terminology:

Within this manual specific terminology will be used that you may not be familiar with. In order to give you some guidance, please find below the most important EDI terms and their according definitions.

Delimiters	**Segment Terminator: ~** Each segment in this message is separated by a ~ character **Element Separator: *** sign indicates the start of a new element, either a simple or composite element **Sub element separator: +** character indicates the start of a sub-element of a composite element.
Segment	A segment is uniquely identified by a three character mnemonic tag, which is used as a reference to a common group of business information. For example, Invoice number, shipment identification number and SCAC code information, all this data is contained in Beginning segment B3.
Service Segment	A service segment is a segment that contains non-business related data. These segments usually include interchanges and messages, in the form of headers and trailers. For example ISA and GS are typical service segments.
Segment Group	A segment group is a collection of segments that are related within a message structure. A simple example would be a group for details of transport. This would typically include a segment for the reference (using N9).
Composite Element	A composite element is a lower level of detail to identify business data within segment. It is normally used when a data item requires addition information. Each composite element has a unique code identifying it. A composite element could be

	used, for example when a data item is in the form of a code and it requires a type qualifier and also organization responsible for its maintenance.	
Data Element	A data element is the lowest level within the EDI structure for holding data. Each data element has a unique code identifying it. A data element can exist as a stand-alone element or as a sub-element within a composite element.	

Pos	ID	Segment Name	Req.	Max Use	Repeat	Usage
100	ST	Transaction Set Header	M	1		Must Use
200	BSN	Beginning Segment for Ship Notice	M	1		Must Use

Pos	ID	Segment Name	Req.	Max Use	Repeat	Usage
Loop loopHL		loopHL	M		200000	Must Use
100	HL	Hierarchical Level	M	1		Must Use
500	PRF	Purchase Order Reference	O	1		Optional

Pos	ID	Segment Name	Req.	Max Use	Repeat	Usage
Loop loopN1		loopN1	O		200	Optional
2200	N1	Name	O	1		Optional

Pos	ID	Segment Name	Req.	Max Use	Repeat	Usage
Loop loopHL		loopHL	M		200000	Must Use
100	HL	Hierarchical Level	M	1		Must Use
200	LIN	Item Identification	O	1		Optional
300	SN1	Item Detail (Shipment)	O	1		Optional

Pos	ID	Segment Name	Req.	Max Use	Repeat	Usage
200	SE	Transaction Set Trailer	M	1		Must Use

ISA	Interchange Control Header				Mandatory	Max: 1

User Option (Usage): Must use

Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
ISA01	Authorization Information Qualifier	M	ID	2/2	Must use
	Description: Code to identify the type of information in the Authorization Information All valid standard codes are used. 00 - No Authorization Information Present 01 - UCS Communications ID				
ISA02	Authorization Information	M	AN	10/10	Must use
	Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)				
ISA03	Security Information Qualifier	M	ID	2/2	Must use
	Description: Code to identify the type of information in the Security Information All valid standard codes are used. 00 - No Security Information Present 01 - Password				
ISA04	Security Information	M	AN	10/10	Must use
	Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)				
ISA05	Interchange ID Qualifier	M	ID	2/2	Must use
	Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified All valid standard codes are used. ZZ - Mutually Defined				
ISA06	Interchange Sender ID	M	AN	15/15	Must use
	Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element				
ISA07	Interchange ID Qualifier	M	ID	2/2	Must use
	Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified Code List Summary ZZ - Mutually Defined				
ISA08	Interchange Receiver ID	M	AN	15/15	Must use
	Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them				

ISA09	Interchange Date	M	DT	6/6	Must use
	Description: Date of the interchange				
ISA10	Interchange Time	M	TM	4/4	Must use
	Description: Time of the interchange				
ISA11	Interchange Control Standards Identifier	M	ID	1/1	Must use
	Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer All valid standard codes are used. U - American National Standards Committee X12				
ISA12	Interchange Control Version Number	M	ID	5/5	Must use
	Description: Code specifying the version number of the interchange control segments				
ISA13	Interchange Control Number	M	N0	9/9	Must use
	Description: A control number assigned by the interchange sender				
ISA14	Acknowledgment Requested	M	ID	1/1	Must use
	Description: Code sent by the sender to request an interchange acknowledgment (TA1) All valid standard codes are used. 0 - No Acknowledgment Requested 1 - Interchange Acknowledgment Requested				
ISA15	Usage Indicator	M	ID	1/1	Optional
	Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information All valid standard codes are used. T - Test P - Production				
ISA16	Component Element Separator	M		1/1	Optional
	Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator				

Example:
ISA~00~   ~00~   ~ZZ~SCAC   ~02~BPCA   ~250630~1512~U~00401~000041701~0~T~@

GS	Functional Group Header	Mandatory	Max: 1

User Option (Usage): Must use

Purpose: To indicate the beginning of a functional group and to provide control information

Semantics:

1. GS04 is the group date.

2. GS05 is the group time.

3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments: A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
GS01	Functional Identifier Code	M	ID	2/2	Must use
	Description: Code identifying a group of application related transaction sets Code List Summary				

Code	Name
CS	Purchase Order Change Acknowledgment/Request - Seller Initiated

Ref	Element Description	Req	Type	Min/Max	Usage
GS02	Application Sender's Code	M	AN	2/15	Must use
	Description: Code identifying party sending transmission; codes agreed to by trading partners				
GS03	Application Receiver's Code	M	AN	2/15	Must use
	Description: Code identifying party receiving transmission; codes agreed to by trading partners				
GS04	Date	M	DT	8/8	Must use
	Description: Date expressed as CCYYMMDD				
GS05	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)				
GS06	Group Control Number	M	N0	1/9	Must use
	Description: Assigned number originated and maintained by the sender				
GS07	Responsible Agency Code	M	ID	1/2	Must use
	Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480 T = Transportation Data Coordinating Committee (TDCC) X = Accredited Standards Committee X12				
GS08	Version / Release / Industry Identifier Code	M	AN	1/12	Must use
	Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed				

Example: GS~BS~SCAC~BPCA~20250630~1512~41701~X~004010

header					Optional	Max:
User Option (Usage): Used				Type: Table		
Purpose:						
Element Summary:						
Ref	ID	Name	Req.	Type	Min/Max	Usage
100	ST	Transaction Set Header	M		0/0	Must Use
		To indicate the start of a transaction set and to assign a control number				
200	BSN	Beginning Segment for Ship Notice	M		0/0	Must Use
		To transmit identifying numbers, dates, and other basic data relating to the transaction set				

ST Transaction Set Header				Mandatory		Max:1
User Option (Usage): Used				Type: Segment		
Purpose: To indicate the start of a transaction set and to assign a control number						
Location: header Table						
Element Summary:						
Ref	ID	Name	Req.	Type	Min/Max	Usage
01	143	Transaction Set Identifier Code	M	ID	3/3	Must Use
		Code uniquely identifying a Transaction Set **856**				
02	329	Transaction Set Control Number	M	AN	4/9	Must Use
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Example: ST~856~0001

BSN Beginning Segment for Ship Notice			Mandatory		Max:1
User Option (Usage): Used			Type: Segment		
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set					
Location: header Table					
Element Summary:					
Ref	ID	Name	Req.	Type	Min/Max	Usage

Ref	ID	Name	Req.	Type	Min/Max	Usage
01	353	Transaction Set Purpose Code	M	ID	2/2	Must Use
		Code identifying purpose of transaction set				

	ID	Name
	05	CREATE/REPLACE

Ref	ID	Name	Req.	Type	Min/Max	Usage
02	396	Shipment Identification	M	AN	2/30	Must Use
		A unique control number assigned by the original shipper to identify a specific shipment **MOVEMENT NUMBER**				
03	373	Date	M	DT	8/8	Must Use
		Date expressed as YYYYMMDD				
04	337	Time	M	TM	4/8	Must Use
		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)				

Example: BSN~05~M-ONETest#S-1234~20250630~1512

detail					Optional	Max:
User Option (Usage): Used				Type: Table		
Purpose:						
Element Summary:						
Ref	ID	Name	Req.	Type	Min/Max	Usage
	loopHL	loopHL	M		0/0	Must Use
	loopHL					

loopHL loopHL				Mandatory		Max:200000
User Option (Usage): Used				Type: Loop		
Purpose: loopHL						
Location: detail Table						
Element Summary:						
Ref	ID	Name	Req.	Type	Min/Max	Usage
100	HL	Hierarchical Level	M		0/0	Must Use
	To identify dependencies among and the content of hierarchically related groups of data segments					
500	PRF	Purchase Order Reference	O		0/0	Optional
	To provide reference to a specific purchase order					
	loopN1	loopN1	O		0/0	Optional
	loopN1					

HL Hierarchical Level				Mandatory		Max:1
User Option (Usage): Used				Type: Segment		
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments						
Location: detail Table -> loopHL Loop						
Element Summary:						
Ref	ID	Name	Req.	Type	Min/Max	Usage
01	628	Hierarchical ID Number	M	AN	1/12	Must Use
		A unique number assigned by the sender to identify a particular data segment in a hierarchical structure				
02	734	Hierarchical Parent ID Number	O	AN	1/12	Optional
		Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to				
03	735	Hierarchical Level Code	M	ID	1/2	Must Use
		Code defining the characteristic of a level in a hierarchical structure				

ID	Name
S	SHIPMENT

Example: HL~1~~S

PRF Purchase Order Reference				Optional		Max:1
User Option (Usage): Used				Type: Segment		
Purpose: To provide reference to a specific purchase order						
Location: detail Table -> loopHL Loop						
Element Summary:						
Ref	ID	Name	Req.	Type	Min/Max	Usage
01	324	Purchase Order Number	M	AN	1/22	Must Use
		Identifying number for Purchase Order assigned by the orderer/purchaser				

Example: PRF~TPL-21355

loopN1 loopN1				Optional		Max:200
User Option (Usage): Used				Type: Loop		
Purpose: loopN1						
Location: detail Table -> loopHL Loop						
Element Summary:						
Ref	**ID**	**Name**	**Req.**	**Type**	**Min/Max**	**Usage**
2200	N1	Name	O		0/0	Optional
		To identify a party by type of organization, name, and code				

N1 Name					Optional	Max:1
User Option (Usage): Used				Type: Segment		
Purpose: To identify a party by type of organization, name, and code						
Location: detail Table -> loopHL Loop -> loopN1 Loop						
Element Summary:						
Ref	ID	Name	Req.	Type	Min/Max	Usage
01	98	Entity Identifier Code	M	ID	2/3	Must Use
		Code identifying an organizational entity, a physical location, property or an individual				
02	98	Entity Identifier Code	M	ID	2/3	Optional
		Code identifying an organizational entity, a physical location, property or an individual				

ID	Name
AU	CASTROL AUSTRALIA
NZ	CASTROL NEW ZEALAND

Example: N1~XT~AU

loopHL loopHL				Mandatory		Max:200000
User Option (Usage): Used				Type: Loop		
Purpose: loopHL						
Element Summary:						
Ref	ID	Name	Req.	Type	Min/Max	Usage
100	HL	Hierarchical Level	M		0/0	Must Use
		To identify dependencies among and the content of hierarchically related groups of data segments				
200	LIN	Item Identification	O		0/0	Optional
		To specify basic item identification data				
300	SN1	Item Detail (Shipment)	M		0/0	Optional
		To specify line-item detail relative to shipment				

HL Hierarchical Level				Mandatory		Max:1
User Option (Usage): Used				Type: Segment		
Purpose: To identify dependencies among and the content of hierarchically related groups of data segments						
Location: loopHL Loop						
Element Summary:						
Ref	ID	Name	Req.	Type	Min/Max	Usage
01	628	Hierarchical ID Number	M	AN	1/12	Must Use
		A unique number assigned by the sender to identify a particular data segment in a hierarchical structure				
02	734	Hierarchical Parent ID Number	O	AN	1/12	Optional
		Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to				
03	735	Hierarchical Level Code	M	ID	1/2	Must Use
		Code defining the characteristic of a level in a hierarchical structure				

ID	Name
I	ITEM

Example: HL~2~~I

LIN Item Identification					Optional	Max:1
User Option (Usage): Used				Type: Segment		
Purpose: To specify basic item identification data						
Location: loopHL Loop						
Element Summary:						
Ref	ID	Name	Req.	Type	Min/Max	Usage
01	350	Assigned Identification	O	AN	1/20	Optional
		Alphanumeric characters assigned for differentiation within a transaction set				
02	235	Product/Service ID Qualifier	M	ID	2/2	Must Use
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		ID / Name: ID — RECEIPT ID				
03	234	Product/Service ID	M	AN	1/48	Must Use
		Identifying number for a product or service ITEM NAME				

Example: LIN~1~ID~3364338

SN1 Item Detail (Shipment)				Mandatory		Max:1
User Option (Usage): Used				Type: Segment		
Purpose: To specify line-item detail relative to shipment						
Location: loopHL Loop						
Element Summary:						
Ref	ID	Name	Req.	Type	Min/Max	Usage
02	382	Number of Units Shipped	M	R	1/10	Must Use
		Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set RECEIVED QTY				
03	355	Unit or Basis for Measurement Code	M	ID	2/2	Must Use
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				

Example: SN1~~10~EA

SE Transaction Set Trailer				Mandatory		Max:1
User Option (Usage): Used				Type: Segment		
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:						
Ref	**ID**	**Name**	**Req.**	**Type**	**Min/Max**	**Usage**
01	96	Number of Included Segments	M	N0	1/10	Must Use
		Total number of segments included in a transaction set including ST and SE segments				
02	329	Transaction Set Control Number	M	AN	4/9	Must Use
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Example: SE~9~0001

GE	Functional Group Trailer		Mandatory	Max: 1

User Option (Usage): Must Use
Purpose: To indicate the end of a functional group and to provide control information

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
GE01	Number of Transaction Sets Included	M	N0	1/6	Must Use
	Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element				
GE02	Group Control Number	M	N0	1/9	Must Use
	Description: Assigned number originated and maintained by the sender. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.				

Example:
 GE~1~41701

IEA	Interchange Control Trailer		Mandatory		Max: 1

User Option (Usage): Must Use

Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
IEA01	Number of Included Functional Groups	M	N0	1/5	Must Use
	Description: A count of the number of functional groups included in an interchange				
IEA02	Interchange Control Number	M	N0	9/9	Must Use
	Description: A control number assigned by the interchange sender				

Example:
 IEA~1~000041701

Sample EDI 856:

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ISA~00~     ~00~     ~ZZ~SCAC     ~02~BPCA     ~250630~1512~U~00401~000041701~0~T~@
GS~BS~SCAC~BPCA~20250630~1512~41701~X~004010
ST~856~0001
BSN~05~M-TESTONE#S-1234~20250630~1512
HL~1~~S
PRF~TPL-21355
N1~XT~AU
HL~2~~I
LIN~1~ID~3364338
SN1~~10~EA
SE~9~0001
GE~1~41701
IEA~1~000041701
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