

# **856 Ship Notice/Manifest**

**X12/V4010/856: 856 Ship Notice/Manifest**

**Version: 1.4 Final**

**Created: 07/12/2006**  
**Modified: 12/27/2006**  
**Notes:**

# 856 Ship Notice/Manifest

## Functional Group=SH

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>
<b>LOOP ID - HL</b>					<b>1</b>	<b>C2/010L</b>	
010	HL	Hierarchical Level	M	1			Must use
150	REF	Reference Identification	O	>1			Used
<b>LOOP ID - N1</b>					<b>200</b>		
220	N1	Name	M	1			Used
<b>LOOP ID - HL</b>					<b>200000</b>		
010	HL	Hierarchical Level	M	1			Must use
050	PRF	Purchase Order Reference	M	1			Must use
<b>LOOP ID - HL</b>					<b>200000</b>		
010	HL	Hierarchical Level	M	1			Must use
020	LIN	Item Identification	M	1			Must use
030	SN1	Item Detail (Shipment)	M	1			Must use
070	PID	Product/Item Description	O	1			Used
<b>LOOP ID - N1</b>					<b>200</b>		
220	N1	Name	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

### Notes:

3/010 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.

### Comments:

2/010L The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

### User Note 1:

*Trading Partner Guidelines*

# ST Transaction Set Header

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

**User Option (Usage):** Must use

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	<b>Transaction Set Identifier Code</b> <b>Description:</b> Code uniquely identifying a Transaction Set <b>All valid standard codes are used.</b>	M	ID	3/3	Must use
ST02	329	<b>Transaction Set Control Number</b> <b>Description:</b> 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	Must use

## Semantics:

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

# BSN Beginning Segment for Ship Notice

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

**User Option (Usage):** Must use

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	<b>Transaction Set Purpose Code</b> <b>Description:</b> Code identifying purpose of transaction set <b>Code Name</b> 00 Original 01 Cancellation	M	ID	2/2	Must use
BSN02	396	<b>Shipment Identification</b> <b>Description:</b> A unique control number assigned by the original shipper to identify a specific shipment	M	AN	2/30	Must use
BSN03	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD	M	DT	8/8	Must use
BSN04	337	<b>Time</b> <b>Description:</b> 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	Must use

## Syntax Rules:

1. C0706 - If BSN07 is present, then BSN06 is required.

## Semantics:

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.

## Comments:

1. BSN06 and BSN07 differentiate the functionality of use for the transaction set.

# DTM Date/Time Reference

Pos: 040	Max: 10
Heading - Mandatory	
Loop: N/A	Elements: 4

**User Option (Usage):** Used

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	<b>Date/Time Qualifier</b> <b>Description:</b> Code specifying type of date or time, or both date and time <b>Code Name</b> 011 Shipped 017 Estimated Delivery	M	ID	3/3	Must use
DTM02	373	<b>Date</b> <b>Description:</b> Date expressed as CCYYMMDD	X	DT	8/8	Must use
DTM03	337	<b>Time</b> <b>Description:</b> 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)	X	TM	4/8	Used
DTM04	623	<b>Time Code</b> <b>Description:</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow <b>All valid standard codes are used.</b>	O	ID	2/2	Used

## Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

## User Note 1:

*Both DTM type 011 (Shipped Date) and DTM type 017 (Expected Delivery Date) are required.*

# Loop HL

<b>Pos: 010</b>	<b>Repeat: 1</b>
<b>Mandatory</b>	
<b>Loop: HL</b>	<b>Elements: N/A</b>

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
150	REF	Reference Identification	O	>1		Used
220		Loop N1	O		200	Used

### User Note 1:

```
*****
SHIPMENT LEVEL HL LOOP
*****
```

# HL Hierarchical Level

<b>Pos: 010</b>	<b>Max: 1</b>
<b>Detail - Mandatory</b>	
<b>Loop: HL</b>	<b>Elements: 3</b>

**User Option (Usage):** Must use

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	<b>Hierarchical ID Number</b> <b>Description:</b> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M	AN	1/12	Must use
HL02	734	<b>Hierarchical Parent ID Number</b> <b>Description:</b> Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	O	AN	1/12	Used
HL03	735	<b>Hierarchical Level Code</b> <b>Description:</b> Code defining the characteristic of a level in a hierarchical structure	M	ID	1/2	Must use
		<u>Code</u> <u>Name</u>				
		S Shipment				

## Comments:

1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
2. The HL segment defines a top-down/left-right ordered structure.
3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
6. HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

# REF Reference Identification

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

**User Option (Usage):** Used

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	<b>Reference Identification Qualifier</b> <b>Description:</b> Code qualifying the Reference Identification	M	ID	2/3	Must use
		<b>Code Name</b> AW Air Waybill Number PK Packing List Number				
REF02	127	<b>Reference Identification</b> <b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Semantics:

1. REF04 contains data relating to the value cited in REF02.

# Loop N1

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

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

### User Note 1:

*Both N1\*SF (Ship From) and N1\*ST (Ship To) are required either here or within every item level HL. Both of these N1 segments require N1\_03 and N1\_04.*

*The "Ship From" N1\_04 must contain the exact "Supplier" location (N1\_04) from the original Order or Order Change*

*The "Ship To" N1\_04 must contain the exact "Ship To" location (N1\_04) from the original Order or Order Change. The item level ship to location must be sent wherever it is different from the header level ship to location.*

*Item level N1 will take precedence, should both be sent.*

# N1 Name

<b>Pos: 220</b>	<b>Max: 1</b>
<b>Detail - Mandatory</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**User Option (Usage):** Used

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	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual <b>Code Name</b> SF Ship From ST Ship To	M	ID	2/3	Must use
N102	93	<b>Name</b> <b>Description:</b> Free-form name	X	AN	1/60	Used
N103	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67) <b>User Note 1:</b> <i>Please use only code "92"</i> <b>Code Name</b> 92 Assigned by Buyer or Buyer's Agent	X	ID	1/2	Must use
N104	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code	X	AN	2/80	Must use

## Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

## Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

## User Note 1:

*Both N1\*SF (Ship From) and N1\*ST (Ship To) are required either here or within every item level HL. Both of these N1 segments require N1\_03 and N1\_04.*

*The "Ship From" N1\_04 must contain the exact "Supplier" location (N1\_04) from the original Order or Order Change*

*The "Ship To" N1\_04 must contain the exact "Ship To" location (N1\_04) from the original Order or Order Change. The item level ship to location must be sent wherever it is different from the header level ship to location.*

*Item level N1 will take precedence, should both be sent.*

# Loop HL

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

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
050	PRF	Purchase Order Reference	M	1		Must use

### User Note 1:

```
*****
ORDER LEVEL HL LOOP
*****
```

# HL Hierarchical Level

<b>Pos: 010</b>	<b>Max: 1</b>
<b>Detail - Mandatory</b>	
<b>Loop: HL</b>	<b>Elements: 3</b>

**User Option (Usage):** Must use

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	<b>Hierarchical ID Number</b> <b>Description:</b> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M	AN	1/12	Must use
HL02	734	<b>Hierarchical Parent ID Number</b> <b>Description:</b> Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	O	AN	1/12	Used
HL03	735	<b>Hierarchical Level Code</b> <b>Description:</b> Code defining the characteristic of a level in a hierarchical structure	M	ID	1/2	Must use
		<b>Code Name</b>				
		O Order				

## Comments:

1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
2. The HL segment defines a top-down/left-right ordered structure.
3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
6. HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

# PRF Purchase Order Reference

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

**User Option (Usage):** Must use

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	<b>Purchase Order Number</b> <b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser	M	AN	1/22	Must use
PRF02	328	<b>Release Number</b> <b>Description:</b> Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction <b>User Note 1:</b> <i>Must send PRF_02 for Blanket PO's. Do not send PRF_02 for non-Blanket PO's.</i>	O	AN	1/30	Used

## Semantics:

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

### User Note 1:

*Must send PRF\_02 for Blanket PO's.  
Do not send PRF\_02 for non-Blanket PO's.*

# Loop HL

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

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	M	1		Must use
030	SN1	Item Detail (Shipment)	M	1		Must use
070	PID	Product/Item Description	O	1		Used
220		Loop N1	O		200	Used

### User Note 1:

\*\*\*\*\*  
*ITEM LEVEL HL LOOP*  
 \*\*\*\*\*

# HL Hierarchical Level

<b>Pos: 010</b>	<b>Max: 1</b>
<b>Detail - Mandatory</b>	
<b>Loop: HL</b>	<b>Elements: 3</b>

**User Option (Usage):** Must use

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	<b>Hierarchical ID Number</b> <b>Description:</b> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure	M	AN	1/12	Must use
HL02	734	<b>Hierarchical Parent ID Number</b> <b>Description:</b> Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to	O	AN	1/12	Used
HL03	735	<b>Hierarchical Level Code</b> <b>Description:</b> Code defining the characteristic of a level in a hierarchical structure	M	ID	1/2	Must use
		<u>Code</u> <u>Name</u> I      Item				

## Comments:

1. The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data.
2. The HL segment defines a top-down/left-right ordered structure.
3. HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.
4. HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
5. HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.
6. HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

# LIN Item Identification

Pos: 020	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 7

**User Option (Usage):** Must use

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	<b>Assigned Identification</b> <b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set <b>User Note 1:</b> <i>Must match ORIGINAL LINE ITEM NUMBER FROM ORDER</i>	O	AN	1/20	Must use
LIN02	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>Code Name</b> BP Buyer's Part Number EC Engineering Change Level VP Vendor's (Seller's) Part Number	M	ID	2/2	Must use
LIN03	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	M	AN	1/48	Must use
LIN04	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>Code Name</b> BP Buyer's Part Number EC Engineering Change Level VP Vendor's (Seller's) Part Number	X	ID	2/2	Used
LIN05	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	X	AN	1/48	Used
LIN06	235	<b>Product/Service ID Qualifier</b> <b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234) <b>Code Name</b> BP Buyer's Part Number EC Engineering Change Level VP Vendor's (Seller's) Part Number	X	ID	2/2	Used
LIN07	234	<b>Product/Service ID</b> <b>Description:</b> Identifying number for a product or service	X	AN	1/48	Used

## Syntax Rules:

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.
2. P0607 - If either LIN06 or LIN07 is present, then the other is required.
3. P0809 - If either LIN08 or LIN09 is present, then the other is required.
4. P1011 - If either LIN10 or LIN11 is present, then the other is required.
5. P1213 - If either LIN12 or LIN13 is present, then the other is required.
6. P1415 - If either LIN14 or LIN15 is present, then the other is required.
7. P1617 - If either LIN16 or LIN17 is present, then the other is required.

8. P1819 - If either LIN18 or LIN19 is present, then the other is required.
9. P2021 - If either LIN20 or LIN21 is present, then the other is required.
10. P2223 - If either LIN22 or LIN23 is present, then the other is required.
11. P2425 - If either LIN24 or LIN25 is present, then the other is required.
12. P2627 - If either LIN26 or LIN27 is present, then the other is required.
13. P2829 - If either LIN28 or LIN29 is present, then the other is required.
14. P3031 - If either LIN30 or LIN31 is present, then the other is required.

**Semantics:**

1. LIN01 is the line item identification

**Comments:**

1. See the Data Dictionary for a complete list of IDs.
2. LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

**User Note 1:**

*LIN\_01 must match ORIGINAL LINE ITEM NUMBER FROM ORDER*

*Whenever it is available per the order or order change, each LIN segment must include Buyer Part Number (BP).*

*If Buyer Part Number is not available, LIN must include the Vendor Part Number (VP).*

# SN1 Item Detail (Shipment)

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

**User Option (Usage):** Must use

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	<b>Assigned Identification</b> <b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set	O	AN	1/20	Used
SN102	382	<b>Number of Units Shipped</b> <b>Description:</b> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	M	R	1/10	Must use
SN103	355	<b>Unit or Basis for Measurement Code</b> <b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>All valid standard codes are used.</b>	M	ID	2/2	Must use

## Syntax Rules:

1. P0506 - If either SN105 or SN106 is present, then the other is required.

## Semantics:

1. SN101 is the ship notice line-item identification.

## Comments:

1. SN103 defines the unit of measurement for both SN102 and SN104.

# PID Product/Item Description

Pos: 070	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

**User Option (Usage):** Used

To describe a product or process in coded or free-form format

## 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>
PID01	349	<b>Item Description Type</b> <b>Description:</b> Code indicating the format of a description <b>All valid standard codes are used.</b>	M	ID	1/1	Must use
PID05	352	<b>Description</b> <b>Description:</b> A free-form description to clarify the related data elements and their content	X	AN	1/80	Used

## Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then PID05 is required.

## Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

## Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

# Loop N1

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

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	O	1		Used

### User Note 1:

*Both N1\*SF (Ship From) and N1\*ST (Ship To) are required either here at every Item Level or within Shipment Level HL. Both of these segments require N1\_03 and N1\_04.*

*The "Ship From" N1\_04 must contain the exact "Supplier" location (N1\_04) from the original Order or Order Change*

*The "Ship To" N1\_04 must contain the exact "Ship To" location (N1\_04) from the original Order or Order Change. The item level ship to location must be sent wherever it is different from the header level ship to location.*

*Item level N1 will take precedence, should both be sent.*

# N1 Name

<b>Pos: 220</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**User Option (Usage):** Used

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	<b>Entity Identifier Code</b> <b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual <b>Code Name</b> SF Ship From ST Ship To	M	ID	2/3	Must use
N102	93	<b>Name</b> <b>Description:</b> Free-form name	X	AN	1/60	Used
N103	66	<b>Identification Code Qualifier</b> <b>Description:</b> Code designating the system/method of code structure used for Identification Code (67) <b>User Note 1:</b> Use code "92" only <b>Code Name</b> 92 Assigned by Buyer or Buyer's Agent	X	ID	1/2	Must use
N104	67	<b>Identification Code</b> <b>Description:</b> Code identifying a party or other code	X	AN	2/80	Must use

## Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

## Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

## User Note 1:

*Both N1\*SF (Ship From) and N1\*ST (Ship To) are required either here at every Item Level or within Shipment Level HL. Both of these segments require N1\_03 and N1\_04.*

*The "Ship From" N1\_04 must contain the exact "Supplier" location (N1\_04) from the original Order or Order Change*

*The "Ship To" N1\_04 must contain the exact "Ship To" location (N1\_04) from the original Order or Order Change. The item level ship to location must be sent wherever it is different from the header level ship to location.*

*Item level N1 will take precedence, should both be sent.*

# CTT Transaction Totals

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

**User Option (Usage):** Used

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	<b>Number of Line Items</b>	M	NO	1/6	Must use
		<b>Description:</b> Total number of line items in the transaction set				

## Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

## Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

# SE Transaction Set Trailer

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

**User Option (Usage):** Must use

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	<b>Number of Included Segments</b> <b>Description:</b> Total number of segments included in a transaction set including ST and SE segments	M	NO	1/10	Must use
SE02	329	<b>Transaction Set Control Number</b> <b>Description:</b> 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	Must use

## Comments:

- SE is the last segment of each transaction set.

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