

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.

Notes:

- 1. Organizations use this transaction set to provide shipment status information, lateral redistribution shipment status information, or pseudo shipment status information on all shipped orders.*
- 2. Use a single occurrence of this transaction set to transmit a single requisition-level shipment status to a single organization.*
- 3. DoD logistics users should refer to the Defense Logistics Management System (DLMS) Supplement to the Federal Implementation Convention (IC) available at URL: <http://www.dla.mil/j-6/dlms>. The DLMS Supplement provides specific business rules, conditions, and authorized codes necessary for appropriate use of this IC within the DLMS.*
- 4. This transaction may be used to provide Unique Item Identifier (UII) information. Refer to the UID web at URL: <http://www.acq.osd.mil/dpap/uid/> for DoD policy.*
- 5. This transaction may be used to provide passive Radio Frequency Identification (RFID) tag identification as applicable to interior and exterior packaging.*

Heading:

<u>Page No.</u>	<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>
4	0100	ST	Transaction Set Header	M	1		
5	0200	BSN	Beginning Segment for Ship Notice	M	1		
Not Used	0400	DTM	Date/Time Reference	O	10		

Detail:

856S(R2) Shipment Status

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
LOOP ID - HL						200000	
7	0100	HL	Hierarchical Level	M	1		c1
9	0200	LIN	Item Identification	O	1		
12	0300	SN1	Item Detail (Shipment)	O	1		
Not Used	0400	SLN	Subline Item Detail	O	1000		
Not Used	0500	PRF	Purchase Order Reference	O	1		
Not Used	0600	PO4	Item Physical Details	O	1		
Not Used	0700	PID	Product/Item Description	O	200		
Not Used	0800	MEA	Measurements	O	40		
Not Used	0900	PWK	Paperwork	O	25		
Not Used	1000	PKG	Marking, Packaging, Loading	O	25		
Not Used	1100	TD1	Carrier Details (Quantity and Weight)	O	20		
13	1200	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
LOOP ID - TD3						12	
Not Used	1300	TD3	Carrier Details (Equipment)	O	1		
Not Used	1350	AT9	Trailer or Container Dimension and Weight	O	1		
Not Used	1400	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	1450	TSD	Trailer Shipment Details	O	1		
15	1500	REF	Reference Identification	O	>1		
Not Used	1510	PER	Administrative Communications Contact	O	3		
LOOP ID - LH1						100	
Not Used	1520	LH1	Hazardous Identification Information	O	1		
Not Used	1530	LH2	Hazardous Classification Information	O	4		
Not Used	1540	LH3	Hazardous Material Shipping Name	O	12		
Not Used	1550	LFH	Freeform Hazardous Material Information	O	20		
Not Used	1560	LEP	EPA Required Data	O	>1		
Not Used	1570	LH4	Canadian Dangerous Requirements	O	1		
Not Used	1580	LHT	Transborder Hazardous Requirements	O	3		
Not Used	1590	LHR	Hazardous Material Identifying Reference Numbers	O	10		
Not Used	1600	PER	Administrative Communications Contact	O	5		
Not Used	1610	LHE	Empty Equipment Hazardous Material Information	O	1		
LOOP ID - CLD						200	
Not Used	1700	CLD	Load Detail	O	1		
Not Used	1800	REF	Reference Identification	O	200		
Not Used	1850	DTP	Date or Time or Period	O	1		
Not Used	1900	MAN	Marks and Numbers	O	>1		
17	2000	DTM	Date/Time Reference	O	10		
Not Used	2100	FOB	F.O.B. Related Instructions	O	1		
Not Used	2150	PAL	Pallet Information	O	1		
LOOP ID - N1						200	
18	2200	N1	Name	O	1		
20	2300	N2	Additional Name Information	O	2		

856S(R2) Shipment Status

21	2400	N3	Address Information	O	2
22	2500	N4	Geographic Location	O	1
Not Used	2600	REF	Reference Identification	O	12
Not Used	2700	PER	Administrative Communications Contact	O	3
Not Used	2800	FOB	F.O.B. Related Instructions	O	1
Not Used	2900	SDQ	Destination Quantity	O	50
Not Used	3000	ETD	Excess Transportation Detail	O	1
Not Used	3100	CUR	Currency	O	1
LOOP ID - SAC					>1
Not Used	3200	SAC	Service, Promotion, Allowance, or Charge Information	O	1
Not Used	3250	CUR	Currency	O	1
Not Used	3300	GF	Furnished Goods and Services	O	1
Not Used	3350	YNQ	Yes/No Question	O	10
LOOP ID - LM					10
23	3400	LM	Code Source Information	O	1
24	3500	LQ	Industry Code	M	100
LOOP ID - V1					>1
Not Used	3600	V1	Vessel Identification	O	1
Not Used	3700	R4	Port or Terminal	O	>1
Not Used	3800	DTM	Date/Time Reference	O	>1

Summary:

<u>Page No.</u>	<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>
Not Used	0100	CTT	Transaction Totals	O	1		n1
25	0200	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.

Segment: **ST** Transaction Set Header

Position: 0100

Loop:

Level: Heading

Usage: Mandatory

Max Use: 1

Purpose: To indicate the start of a transaction set and to assign a control number

Syntax Notes:

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).
- 2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.

Comments:

Data Element Summary

Ref.	Data Element	Name	Attributes		
			M	1	ID 3/3
M	ST01	Transaction Set Identifier Code	M	1	ID 3/3
		Code uniquely identifying a Transaction Set 856 Ship Notice/Manifest			
M	ST02	Transaction Set Control Number	M	1	AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>A unique number assigned by the originator of the transaction set, or the originator's application program.</i>			
	ST03	Implementation Convention Reference	O	1	AN 1/35
		Reference assigned to identify Implementation Convention			

Segment:	BSN Beginning Segment for Ship Notice
Position:	0200
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To transmit identifying numbers, dates, and other basic data relating to the transaction set
Syntax Notes:	1 If BSN07 is present, then BSN06 is required.
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.
Comments:	1 BSN06 and BSN07 differentiate the functionality of use for the transaction set.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
M	BSN01	353 Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original 77 Simulation Exercise	M 1 ID 2/2
M	BSN02	396 Shipment Identification A unique control number assigned by the original shipper to identify a specific shipment <i>Use code "ZZ" for this data element to satisfy X12 syntax requirements.</i>	M 1 AN 2/30
M	BSN03	373 Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year <i>This date corresponds to the Universal Time Coordinate (UTC).</i>	M 1 DT 8/8
M	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) <i>1. Express the originating activity's time in UTC.</i> <i>2. Express time in a four-position (HHMM) format.</i>	M 1 TM 4/8
Not Used	BSN05	1005 Hierarchical Structure Code Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set	O 1 ID 4/4
	BSN06	640 Transaction Type Code Code specifying the type of transaction	X 1 ID 2/2

856S(R2) Shipment Status

		AS	Shipment Advice			
		NC	Material Release Order Forced Closure			
BSN07	641	Status Reason Code		O	1	ID 3/3
			Code indicating the status reason			
		IV2	Material Shipped Between Intermediate Points			

Segment: **HL** Hierarchical Level
Position: 0100
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

Syntax Notes:

Semantic Notes:

- 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.
The HL segment defines a top-down/left-right ordered structure.
 - 2 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.
 - 3 HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.
 - 4 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.
 - 5 HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

- Notes:**
1. *The transaction set hierarchical data structure is address information, followed by transaction shipment status, followed interior/exterior packaging RFID and/or by UID as applicable.*
 2. *Use the first 2/HL/0100 loop iteration to provide transaction set originator address information.*
 3. *Use the second 2/HL/0100 loop iteration to identify shipment information.*
 4. *Use additional 2/HL/0100 loop iterations to identify RFID as applicable.*
 5. *Use additional 2/HL/0100 loop iterations to identify UID information as applicable.*

Data Element Summary

Ref.	Data		Attributes
	Des.	Element Name	
M	HL01	628 Hierarchical ID Number	M 1 AN 1/12
A unique number assigned by the sender to identify a particular data			

segment in a hierarchical structure

In the first 2/HL/0100 loop iteration, cite numeric 1. In each subsequent loop iteration, increase incrementally by 1.

	HL02	734	Hierarchical Parent ID Number	O	1	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	1	ID 1/2
			Code defining the characteristic of a level in a hierarchical structure			
			I	Item		
			P	Pack		
			V	Address Information		
			W	Transaction Reference Number		
Not Used	HL04	736	Hierarchical Child Code	O	1	ID 1/1
			Code indicating if there are hierarchical child data segments subordinate to the level being described			

Segment: **LIN** Item Identification

Position: 0200

Loop: HL Mandatory

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify basic item identification data

Syntax Notes:

- 1 If either LIN04 or LIN05 is present, then the other is required.
- 2 If either LIN06 or LIN07 is present, then the other is required.
- 3 If either LIN08 or LIN09 is present, then the other is required.
- 4 If either LIN10 or LIN11 is present, then the other is required.
- 5 If either LIN12 or LIN13 is present, then the other is required.
- 6 If either LIN14 or LIN15 is present, then the other is required.
- 7 If either LIN16 or LIN17 is present, then the other is required.
- 8 If either LIN18 or LIN19 is present, then the other is required.
- 9 If either LIN20 or LIN21 is present, then the other is required.
- 10 If either LIN22 or LIN23 is present, then the other is required.
- 11 If either LIN24 or LIN25 is present, then the other is required.
- 12 If either LIN26 or LIN27 is present, then the other is required.
- 13 If either LIN28 or LIN29 is present, then the other is required.
- 14 If either LIN30 or LIN31 is present, then the other is required.

Semantic Notes:

Comments:

- 1 LIN01 is the line item identification
- 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.

Notes: *Must use only in 2/HL/0100 shipment status loop to identify the material shipped.*

Data Element Summary

Ref.	Data	Element	Name	Attributes
Not Used	LIN01	350	Assigned Identification	O 1 AN 1/20
			Alphanumeric characters assigned for differentiation within a transaction set	
M	LIN02	235	Product/Service ID Qualifier	M 1 ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			<i>Use any code.</i>	
			Refer to 004030 Data Element Dictionary for acceptable code values.	
M	LIN03	234	Product/Service ID	M 1 AN 1/48
			Identifying number for a product or service	
	LIN04	235	Product/Service ID Qualifier	X 1 ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
			CN Commodity Name	

		ZB	Commercial and Government Entity (CAGE) Code		
	LIN05	234	Product/Service ID	X	1 AN 1/48
			Identifying number for a product or service		
Not Used	LIN06	235	Product/Service ID Qualifier	X	1 ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN07	234	Product/Service ID	X	1 AN 1/48
			Identifying number for a product or service		
Not Used	LIN08	235	Product/Service ID Qualifier	X	1 ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN09	234	Product/Service ID	X	1 AN 1/48
			Identifying number for a product or service		
Not Used	LIN10	235	Product/Service ID Qualifier	X	1 ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN11	234	Product/Service ID	X	1 AN 1/48
			Identifying number for a product or service		
Not Used	LIN12	235	Product/Service ID Qualifier	X	1 ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN13	234	Product/Service ID	X	1 AN 1/48
			Identifying number for a product or service		
Not Used	LIN14	235	Product/Service ID Qualifier	X	1 ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN15	234	Product/Service ID	X	1 AN 1/48
			Identifying number for a product or service		
Not Used	LIN16	235	Product/Service ID Qualifier	X	1 ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN17	234	Product/Service ID	X	1 AN 1/48
			Identifying number for a product or service		
Not Used	LIN18	235	Product/Service ID Qualifier	X	1 ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN19	234	Product/Service ID	X	1 AN 1/48
			Identifying number for a product or service		
Not Used	LIN20	235	Product/Service ID Qualifier	X	1 ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
Not Used	LIN21	234	Product/Service ID	X	1 AN 1/48

856S(R2) Shipment Status

			Identifying number for a product or service			
Not Used	LIN22	235	Product/Service ID Qualifier	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	LIN23	234	Product/Service ID	X	1	AN 1/48
			Identifying number for a product or service			
Not Used	LIN24	235	Product/Service ID Qualifier	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	LIN25	234	Product/Service ID	X	1	AN 1/48
			Identifying number for a product or service			
Not Used	LIN26	235	Product/Service ID Qualifier	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	LIN27	234	Product/Service ID	X	1	AN 1/48
			Identifying number for a product or service			
Not Used	LIN28	235	Product/Service ID Qualifier	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	LIN29	234	Product/Service ID	X	1	AN 1/48
			Identifying number for a product or service			
Not Used	LIN30	235	Product/Service ID Qualifier	X	1	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
Not Used	LIN31	234	Product/Service ID	X	1	AN 1/48
			Identifying number for a product or service			

Segment:	SN1 Item Detail (Shipment)
Position:	0300
Loop:	HL Mandatory
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify line-item detail relative to shipment
Syntax Notes:	1 If either SN105 or SN106 is present, then the other is required.
Semantic Notes:	1 SN101 is the ship notice line-item identification.
Comments:	1 SN103 defines the unit of measurement for both SN102 and SN104.
Notes:	<i>Must use only in 2/HL/0100 shipment status loop to identify the number of units shipped.</i>

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
Not Used	SN101	350 Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O 1 AN 1/20
M	SN102	382 Number of Units Shipped Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set <i>Express as a whole number with no decimals.</i>	M 1 R 1/10
M	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 <i>Use to identify the unit of issue for the material shipped.</i> Refer to 004030 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
Not Used	SN104	646 Quantity Shipped to Date Number of units shipped to date	O 1 R 1/15
Not Used	SN105	330 Quantity Ordered Quantity ordered	X 1 R 1/15
Not Used	SN106	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	X 1 ID 2/2
Not Used	SN107	728 Returnable Container Load Make-Up Code Code identifying the load make-up of the returnable containers in the shipment	O 1 ID 1/2
Not Used	SN108	668 Line Item Status Code Code specifying the action taken by the seller on a line item requested by the buyer	O 1 ID 2/2

Segment:	TD5 Carrier Details (Routing Sequence/Transit Time)
Position:	1200
Loop:	HL Mandatory
Level:	Detail
Usage:	Optional
Max Use:	12
Purpose:	To specify the carrier and sequence of routing and provide transit time information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of TD502 TD504 TD505 TD506 or TD512 is required. 2 If TD502 is present, then TD503 is required. 3 If TD507 is present, then TD508 is required. 4 If TD510 is present, then TD511 is required. 5 If TD513 is present, then TD512 is required. 6 If TD514 is present, then TD513 is required. 7 If TD515 is present, then TD512 is required.
Semantic Notes:	1 TD515 is the country where the service is to be performed.
Comments:	1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.
Notes:	<i>Use only in 2/HL/0100 shipment status loop to identify the mode of shipment.</i>

Data Element Summary

Ref.	Data	Attributes		
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Not Used	TD501	133	Routing Sequence Code	O 1 ID 1/2
			Code describing the relationship of a carrier to a specific shipment movement	
Not Used	TD502	66	Identification Code Qualifier	X 1 ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
Not Used	TD503	67	Identification Code	X 1 AN 2/80
			Code identifying a party or other code	
	TD504	91	Transportation Method/Type Code	X 1 ID 1/2
			Code specifying the method or type of transportation for the shipment	
			<i>Use to identify the mode of shipment.</i>	
			Refer to 004030 Data Element Dictionary for acceptable code values.	
Not Used	TD505	387	Routing	X 1 AN 1/35
			Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	
Not Used	TD506	368	Shipment/Order Status Code	X 1 ID 2/2
			Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction	
Not Used	TD507	309	Location Qualifier	O 1 ID 1/2

856S(R2) Shipment Status

			Code identifying type of location			
Not Used	TD508	310	Location Identifier	X	1	AN 1/30
			Code which identifies a specific location			
Not Used	TD509	731	Transit Direction Code	O	1	ID 2/2
			The point of origin and point of direction			
Not Used	TD510	732	Transit Time Direction Qualifier	O	1	ID 2/2
			Code specifying the value of time used to measure the transit time			
Not Used	TD511	733	Transit Time	X	1	R 1/4
			The numeric amount of transit time			
Not Used	TD512	284	Service Level Code	X	1	ID 2/2
			Code indicating the level of transportation service or the billing service offered by the transportation carrier			
Not Used	TD513	284	Service Level Code	X	1	ID 2/2
			Code indicating the level of transportation service or the billing service offered by the transportation carrier			
Not Used	TD514	284	Service Level Code	O	1	ID 2/2
			Code indicating the level of transportation service or the billing service offered by the transportation carrier			
Not Used	TD515	26	Country Code	O	1	ID 2/3
			Code identifying the country			

Segment:	REF Reference Identification
Position:	1500
Loop:	HL Mandatory
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	<ol style="list-style-type: none"> 1 At least one of REF02 or REF03 is required. 2 If either C04003 or C04004 is present, then the other is required. 3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	<p><i>1. Must use in 2/HL/0100 shipment status loop to identify the transaction document number and the transportation control number. Repeat the REF segment within each shipment status loop to identify relevant information.</i></p> <p><i>2. Use in 2/HL/0100 UID loop to provide UID information. Repeat the REF segment within each UID loop to identify relevant UID information.</i></p> <p><i>3. Use in applicable 2/HL/0100 RFID loops to provide the tag identification. Begin a new RFID loop to create a nested relationship between tags at different layers of packaging.</i></p>

Data Element Summary

Ref.	Data				Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>			
M	REF01	128	Reference Identification Qualifier		M 1 ID 2/3
			Code qualifying the Reference Identification		
			<i>Use any code.</i>		
			Refer to 004030 Data Element Dictionary for acceptable code values.		
	REF02	127	Reference Identification	X	1 AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	REF03	352	Description	X	1 AN 1/80
			A free-form description to clarify the related data elements and their content		
	REF04	C040	Reference Identifier	O	1
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
M	C04001	128	Reference Identification Qualifier		M ID 2/3
			Code qualifying the Reference Identification		
			<i>Use any code.</i>		
			Refer to 004030 Data Element Dictionary for acceptable code values.		
M	C04002	127	Reference Identification		M AN 1/50

		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
C04003	128	Reference Identification Qualifier	X	ID 2/3
		Code qualifying the Reference Identification		
		<i>Use any code.</i>		
		Refer to 004030 Data Element Dictionary for acceptable code values.		
C04004	127	Reference Identification	X	AN 1/50
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
C04005	128	Reference Identification Qualifier	X	ID 2/3
		Code qualifying the Reference Identification		
		<i>Use any code</i>		
		Refer to 004030 Data Element Dictionary for acceptable code values.		
C04006	127	Reference Identification	X	AN 1/50
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Segment: **DTM** Date/Time Reference
Position: 2000
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

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

Semantic Notes:**Comments:**

Notes: *Use only in the 2/HL/0100 shipment status loop to identify dates associated with the shipment status.*

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	DTM01	374	Date/Time Qualifier	M 1 ID 3/3
			Code specifying type of date or time, or both date and time	
			011 Shipped	
			514 Transferred	
	DTM02	373	Date	X 1 DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	
Not Used	DTM03	337	Time	X 1 TM 4/8
			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)	
Not Used	DTM04	623	Time Code	O 1 ID 2/2
			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	
Not Used	DTM05	1250	Date Time Period Format Qualifier	X 1 ID 2/3
			Code indicating the date format, time format, or date and time format	
Not Used	DTM06	1251	Date Time Period	X 1 AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times	

Segment: **N1** Name
Position: 2200
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.

Semantic Notes:
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.

Notes: 1. *Use to identify the organization originating and receiving the transaction.*
 2. *Use additional iterations to identify other organizations associated with the transaction.*

Data Element Summary

Ref.	Data Des.	Element	Name	Attributes		
M	N101	98	Entity Identifier Code	M	1	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual			
			<i>Use any code.</i>			
			Refer to 004030 Data Element Dictionary for acceptable code values.			
	N102	93	Name	X	1	AN 1/60
			Free-form name			
	N103	66	Identification Code Qualifier	X	1	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)			
			<i>Use any code.</i>			
			Refer to 004030 Data Element Dictionary for acceptable code values.			
	N104	67	Identification Code	X	1	AN 2/80
			Code identifying a party or other code			
Not Used	N105	706	Entity Relationship Code	O	1	ID 2/2
			Code describing entity relationship			
	N106	98	Entity Identifier Code	O	1	ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual			
			FR Message From			
			<i>Must use with the appropriate 2/N101/2200 code to indicate the organization cited in N104 is sending</i>			

PK
TO

the transaction set.

Party to Receive Copy

Message To

Must use with the appropriate 2/N101/2200 code to indicate the organization cited in N101 is receiving the transaction set.

Segment: **N2** **Additional Name Information**
Position: 2300
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify additional names
Syntax Notes:
Semantic Notes:
Comments:
Notes: *Use to identify additional name information as authorized.*

Data Element Summary

	Ref.	Data		Attributes
	Des.	Element	Name	
M	N201	93	Name Free-form name	M 1 AN 1/60
	N202	93	Name Free-form name	O 1 AN 1/60

Segment: **N3** Address Information
Position: 2400
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: *Use to identify additional address information as authorized.*

Data Element Summary

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

Segment: N4 Geographic Location**Position:** 2500**Loop:** N1 Optional**Level:** Detail**Usage:** Optional**Max Use:** 1**Purpose:** To specify the geographic place of the named party

- Syntax Notes:**
- 1 Only one of N402 or N407 may be present.
 - 2 If N406 is present, then N405 is required.
 - 3 If N407 is present, then N404 is required.

Semantic Notes:

- Comments:**
- 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
 - 2 N402 is required only if city name (N401) is in the U.S. or Canada.

Notes: *Use to identify additional address information as authorized.*

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
N401	19 City Name Free-form text for city name	O 1 AN 2/30
N402	156 State or Province Code Code (Standard State/Province) as defined by appropriate government agency	X 1 ID 2/2
N403	116 Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O 1 ID 3/15
N404	26 Country Code Code identifying the country	X 1 ID 2/3
Not Used	N405 309 Location Qualifier Code identifying type of location	X 1 ID 1/2
Not Used	N406 310 Location Identifier Code which identifies a specific location	O 1 AN 1/30
Not Used	N407 1715 Country Subdivision Code Code identifying the country subdivision	X 1 ID 1/3

Segment: **LM** Code Source Information
Position: 3400
Loop: LM Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit standard code list identification information

Syntax Notes:

Semantic Notes:

Comments: 1 LM02 identifies the applicable industry code list source information.

Notes: *Must use only in the 2/HL/0100 shipment status loop to identify coded information maintained in department or agency documentation.*

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	LM01	559	Agency Qualifier Code	M 1 ID 2/2
			Code identifying the agency assigning the code values DF Department of Defense (DoD)	
Not Used	LM02	822	Source Subqualifier	O 1 AN 1/15
			A reference that indicates the table or text maintained by the Source Qualifier	

Segment: **LQ** Industry Code
Position: 3500
Loop: LM Optional
Level: Detail
Usage: Mandatory
Max Use: 100
Purpose: Code to transmit standard industry codes
Syntax Notes: 1 If LQ01 is present, then LQ02 is required.
Semantic Notes:
Comments:

Notes: *Use to identify codes, as appropriate, consistent with management information requirements.*

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
LQ01	1270	Code List Qualifier Code Code identifying a specific industry code list <i>Use any code.</i>	O 1 ID 1/3
		Refer to 004030 Data Element Dictionary for acceptable code values.	
LQ02	1271	Industry Code Code indicating a code from a specific industry code list	X 1 AN 1/30

Segment: **SE** Transaction Set Trailer
Position: 0200
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)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	Ref. <u>Des.</u>	Data		<u>Attributes</u>
		<u>Element</u>	<u>Name</u>	
M	SE01	96	Number of Included Segments	M 1 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 1 AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			<i>Cite the same number as the one cited in ST02.</i>	