

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 single or multiple shipment status transactions 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.*

Heading:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
4	010	ST	Transaction Set Header	M	1		
5	020	BSN	Beginning Segment for Ship Notice	M	1		
Not Used	040	DTM	Date/Time Reference	O	10		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - HL			200000	
7	010	HL	Hierarchical Level	M	1		c1
8	020	LIN	Item Identification	O	1		
11	030	SN1	Item Detail (Shipment)	O	1		
Not Used	040	SLN	Subline Item Detail	O	1000		

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Not Used	050	PRF	Purchase Order Reference	O	1
Not Used	060	PO4	Item Physical Details	O	1
Not Used	070	PID	Product/Item Description	O	200
Not Used	080	MEA	Measurements	O	40
Not Used	090	PWK	Paperwork	O	25
Not Used	100	PKG	Marking, Packaging, Loading	O	25
Not Used	110	TD1	Carrier Details (Quantity and Weight)	O	20
12	120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12
Not Used	130	TD3	Carrier Details (Equipment)	O	12
Not Used	140	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5
Not Used	145	TSD	Trailer Shipment Details	O	1
14	150	REF	Reference Identification	O	>1
Not Used	151	PER	Administrative Communications Contact	O	3
LOOP ID - LH1					100
Not Used	152	LH1	Hazardous Identification Information	O	1
Not Used	153	LH2	Hazardous Classification Information	O	4
Not Used	154	LH3	Hazardous Material Shipping Name	O	12
Not Used	155	LFH	Freeform Hazardous Material Information	O	20
Not Used	156	LEP	EPA Required Data	O	>1
Not Used	157	LH4	Canadian Dangerous Requirements	O	1
Not Used	158	LHT	Transborder Hazardous Requirements	O	3
Not Used	159	LHR	Hazardous Material Identifying Reference Numbers	O	10
Not Used	160	PER	Administrative Communications Contact	O	5
Not Used	161	LHE	Empty Equipment Hazardous Material Information	O	1
LOOP ID - CLD					200
Not Used	170	CLD	Load Detail	O	1
Not Used	180	REF	Reference Identification	O	200
Not Used	185	DTP	Date or Time or Period	O	1
Not Used	190	MAN	Marks and Numbers	O	>1
17	200	DTM	Date/Time Reference	O	10
Not Used	210	FOB	F.O.B. Related Instructions	O	1
Not Used	215	PAL	Pallet Information	O	1
LOOP ID - N1					200
18	220	N1	Name	O	1
20	230	N2	Additional Name Information	O	2
21	240	N3	Address Information	O	2
22	250	N4	Geographic Location	O	1
Not Used	260	REF	Reference Identification	O	12
Not Used	270	PER	Administrative Communications Contact	O	3
Not Used	280	FOB	F.O.B. Related Instructions	O	1
Not Used	290	SDQ	Destination Quantity	O	50
Not Used	300	ETD	Excess Transportation Detail	O	1
Not Used	310	CUR	Currency	O	1

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LOOP ID - SAC					>1
Not Used	320	SAC	Service, Promotion, Allowance, or Charge Information	O	1
Not Used	325	CUR	Currency	O	1
Not Used	330	GF	Furnished Goods and Services	O	1
Not Used	335	YNQ	Yes/No Question	O	10
LOOP ID - LM					10
23	340	LM	Code Source Information	O	1
24	350	LQ	Industry Code	M	100
LOOP ID - V1					>1
Not Used	360	V1	Vessel Identification	O	1
Not Used	370	R4	Port or Terminal	O	>1
Not Used	380	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	010	CTT	Transaction Totals	O	1		n1
26	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.

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
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).

Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
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	
			<i>A unique number assigned by the originator of the transaction set, or the originator's application program.</i>	

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

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.

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 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 AN 2/30
M	BSN03	373 Date Date expressed as CCYYMMDD <i>This date corresponds to the Universal Time Coordinate (UTC).</i>	M 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 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 ID 4/4
Must Use	BSN06	640 Transaction Type Code Code specifying the type of transaction AS Shipment Advice NC Material Release Order Forced Closure	X ID 2/2

BSN07

641

Status Reason Code

O ID 3/3

Code indicating the status reason

IV2

Material Shipped Between Intermediate Points

Segment: **HL** Hierarchical 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

Syntax Notes:
Semantic Notes:

- Notes:**
1. *The transaction set hierarchical data structure is address information, followed by transaction shipment status.*
 2. *Use the first 2/HL/010 loop iteration to provide transaction set address information.*
 3. *Use the second and all subsequent 2/HL/010 loop iterations to identify individual transaction shipment status information.*

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	
			<i>In the first 2/HL/010 loop iteration, cite numeric 1. In each subsequent loop iteration, increase incrementally by 1.</i>	
Not Used	HL02	734	Hierarchical Parent ID Number	O 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	
			V Address Information	
			W Transaction Reference Number	
Not Used	HL04	736	Hierarchical Child Code	O ID 1/1
			Code indicating if there are hierarchical child data segments subordinate to the level being described	

Segment: **LIN** Item Identification
Position: 020
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:

Notes: 1 LIN01 is the line item identification
Must use only in 2/HL/010 transaction reference number loops to identify the material shipped.

Data Element Summary

Ref.	Data	Element	Name	Attributes
Not Used	LIN01	350	Assigned Identification	O 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)	

Following is a list of preferred codes.

- A1 Plant Equipment Number*
- A2 Department of Defense Identification Code (DoDIC)*
- A4 Subsistence Identification Number*
- F4 Series Identifier*
- FB Form Number*
- FS National Stock Number*
- FT Federal Supply Classification*
- MG Manufacturer's Part Number*
- MN Model Number*
- SN Serial Number*

YP *Publication Number*
ZZ *Mutually Defined*

Refer to 004010 Data Element Dictionary for acceptable code values.

M	LIN03	234	Product/Service ID	M AN 1/48
			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)	
			CN Commodity Name	
			ZB Commercial and Government Entity (CAGE) Code	
	LIN05	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
Not Used	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)	
Not Used	LIN07	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
Not Used	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)	
Not Used	LIN09	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
Not Used	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)	
Not Used	LIN11	234	Product/Service ID	X AN 1/48
			Identifying number for a product or service	
Not Used	LIN12	235	Product/Service ID Qualifier	X 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 AN 1/48
			Identifying number for a product or service	
Not Used	LIN14	235	Product/Service ID Qualifier	X 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 AN 1/48
			Identifying number for a product or service	
Not Used	LIN16	235	Product/Service ID Qualifier	X 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 AN 1/48

			Identifying number for a product or service	
Not Used	LIN18	235	Product/Service ID Qualifier	X 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 AN 1/48
			Identifying number for a product or service	
Not Used	LIN20	235	Product/Service ID Qualifier	X 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 AN 1/48
			Identifying number for a product or service	
Not Used	LIN22	235	Product/Service ID Qualifier	X 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 AN 1/48
			Identifying number for a product or service	
Not Used	LIN24	235	Product/Service ID Qualifier	X 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 AN 1/48
			Identifying number for a product or service	
Not Used	LIN26	235	Product/Service ID Qualifier	X 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 AN 1/48
			Identifying number for a product or service	
Not Used	LIN28	235	Product/Service ID Qualifier	X 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 AN 1/48
			Identifying number for a product or service	
Not Used	LIN30	235	Product/Service ID Qualifier	X 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 AN 1/48
			Identifying number for a product or service	

Segment: **SN1** Item Detail (Shipment)
Position: 030
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.
Notes: *Must use only in 2/HL/010 transaction reference number loops to identify the number of units shipped.*

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Not Used	SN101	350 Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	O 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 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 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
Not Used	SN104	646 Quantity Shipped to Date Number of units shipped to date	O R 1/15
Not Used	SN105	330 Quantity Ordered Quantity ordered	X 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 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 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 ID 2/2

Segment: TD5 Carrier Details (Routing Sequence/Transit Time)**Position:** 120**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:** 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.**Notes:** *Use only in 2/HL/010 transaction reference number loops to identify the mode of shipment.***Data Element Summary**

	Ref.	Data	Attributes
	Des.	Element Name	
Not Used	TD501	133 Routing Sequence Code	O ID 1/2
		Code describing the relationship of a carrier to a specific shipment movement	
Not Used	TD502	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
Not Used	TD503	67 Identification Code	X AN 2/80
		Code identifying a party or other code	
	TD504	91 Transportation Method/Type Code	X 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 004010 Data Element Dictionary for acceptable code values.	
Not Used	TD505	387 Routing	X 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 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 ID 1/2
		Code identifying type of location	
Not Used	TD508	310 Location Identifier	X AN 1/30
		Code which identifies a specific location	

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

Segment: **REF** Reference Identification
Position: 150
Loop: HL Mandatory
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes: 1 At least one of REF02 or REF03 is required.
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Notes: *1. Must use only in 2/HL/010 transaction reference number loops to identify the customer assigned transaction number, the shipment unit number, and unique item tracking (UIT) information when the item identified in 2/LIN/020 is subject to tracking under a UIT requirement.*
2. To provide financial data: cite the fund purpose code and either or both of the fund code and the long-line accounting data. When citing long-line accounting data use REF03 and components of REF04.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification <i>Following is a list of preferred codes.</i> <i>2I Tracking Number</i> <i>BT Batch Number</i> <i>FG Fund Identification Number</i> <i>LT Lot Number</i> <i>PA Price Area Number</i> <i>SE Serial Number</i> <i>TG Transportation Control Number (TCN)</i> <i>TN Transaction Reference Number</i> <i>TT Terminal Code</i>	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80
	REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier <i>1. When providing financial data (REF01 is code FG):</i>	O

If providing only the fund code use REF04-01 code FU and cite the fund code in REF04-02.

If providing only the long line accounting data use REF04-01 code AT and cite the basic appropriation data in REF04-02. Use REF04-03 code 10 and cite the accounting station number in REF04-04.

If providing both use REF04-01 code FU, REF04-03 code AT and REF04-05 code 10 citing the related data in the following data element of the pair.

2. When needed, use codes from REF04-01 and the next available combination of data element 128/127 pairs to provide the necessary data.

M C04001 128 Reference Identification Qualifier M ID 2/3

Code qualifying the Reference Identification

The following is a list of preferred codes.

- 08** *Carrier Assigned Package Identification Number*
- 10** *Account Managers Code*
- AT** *Appropriation Number*
- AW** *Air Waybill Number*
- BL** *Government Bill of Lading*
- BM** *Bill of Lading Number*
- CT** *Contract Number*
- FU** *Fund Code*
- IZ** *Insured Parcel Post Number*
- K1** *Foreign Military Sales Notice Number*
- K2** *Certified Mail Number*
- K3** *Registered Mail Number*
- W3** *Manufacturing Directive Number*
- W8** *Suffix*
- WY** *Waybill Number*
- ZH** *Carrier Assigned Reference Number*

Refer to 004010 Data Element Dictionary for acceptable code values.

M C04002 127 Reference Identification M AN 1/30

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

For other valid codes, see REF04, C04001.

OQ Order Number

C04004 127 Reference Identification X AN 1/30

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>For valid codes, see REF04, C04001.</i>	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
C04006	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: 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:

Notes: *Use only in 2/HL/010 transaction reference number loops to identify dates associated with the shipment status.*

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
M	DTM01	374 Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		011 Shipped	
		514 Transferred	
Must Use	DTM02	373 Date	X DT 8/8
		Date expressed as CCYYMMDD	
Not Used	DTM03	337 Time	X 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 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 ID 2/3
		Code indicating the date format, time format, or date and time format	
Not Used	DTM06	1251 Date Time Period	X AN 1/3/5
		Expression of a date, a time, or range of dates, times or dates and times	

Segment: **N1** Name
Position: 220
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:

Notes:

1. Must use the 2/N1/220 loop in every 2/HL/010 address loop to identify the organization originating the transaction set.

2. Use the 2/N1/220 loop in every 2/HL/010 transaction reference number loop to identify the shipment unit consignor, carrier, organization directing the shipment, organization to receive the transaction set, or an additional organization designated to receive status.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		<i>Following is a list of preferred codes.</i>	
		77 Service Location	
		BS Bill and Ship To	
		BT Bill-to-Party	
		CA Carrier	
		DA Delivery Address	
		GP Gateway Provider	
		KO Plant Clearance Officer	
		MF Manufacturer of Goods	
		OB Ordered By	
		RL Reporting Location	
		SB Storage Area	
		ST Ship To	
		Z1 Party to Receive Status	
		Z3 Potential Source of Supply	
		Z4 Owning Inventory Control Point	
		Z5 Management Control Activity	
		Z7 Mark-for Party	
		ZZ Mutually Defined	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	N102	93 Name	X AN 1/60

			Free-form name	
Must Use	N103	66	Identification Code Qualifier	X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			1 D-U-N-S Number, Dun & Bradstreet	
			2 Standard Carrier Alpha Code (SCAC)	
			<i>Use as needed to identify the commercial carrier.</i>	
			9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
			10 Department of Defense Activity Address Code (DODAAC)	
			A2 Military Assistance Program Address Code (MAPAC)	
			M4 Department of Defense Routing Identifier Code (RIC)	
Must Use	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
Not Used	N105	706	Entity Relationship Code	O ID 2/2
			Code describing entity relationship	
	N106	98	Entity Identifier Code	O 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/N101/220 code to indicate the organization cited in N104 is sending the transaction set.</i>	
			TO Message To	
			<i>Must use with the appropriate 2/N101/220 code to indicate the organization cited in N101 is receiving the transaction set.</i>	

Segment: **N2** **Additional Name Information**
Position: 230
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Notes: *Use to identify additional name information as authorized.*

Data Element Summary

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

Segment: **N3** Address Information
Position: 240
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Notes: *Use to identify additional address information as authorized.*

Data Element Summary

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

Segment: **N4 Geographic Location**
Position: 250
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Notes: *Use to identify additional address information as authorized.*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
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	
Not Used	N405	309 Location Qualifier	X ID 1/2
		Code identifying type of location	
Not Used	N406	310 Location Identifier	O AN 1/30
		Code which identifies a specific location	

Segment: **LM** Code Source Information
Position: 340
Loop: LM Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit standard code list identification information
Syntax Notes:
Semantic Notes:
Notes: *Must use only in 2/HL/010 transaction reference number loops to identify coded information maintained in department or agency documentation.*

Data Element Summary

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

Segment: **LQ** Industry Code
Position: 350
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:
Notes: *Use to identify codes, as appropriate, consistent with management information requirements.*

Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
Must Use	LQ01	1270 Code List Qualifier Code	O ID 1/3

Code identifying a specific industry code list

Following is a list of preferred codes.

- 0 Document Identification Code
- 36 Air Terminal Identifier Code
- 37 Water Terminal Identifier Code
- 38 Consolidation and Containerization Point Code
- 58 Transportation Bill Code
- 67 Type of Assistance Code
- 79 Priority Designator Code
- 81 Status Code
- 85 Country and Activity Code
- 89 Cooperative Logistics Program Support Code
- 92 Reason for Disposal Code
- 93 Type of Storage Code
- 94 Identification Code
- 95 Offer and Release Option Code
- A2 Customer Within Country Code
- A3 Delivery Term Code
- A6 Freight Forwarder Number
- A7 Record Control Number
- A8 Program Year Code
- A9 Supplemental Data
- AJ Utilization Code
- AK Distribution Code
- AL Special Requirements Code
- BC Transportation Holding Delay Code
- COG Cognizance Symbol
- DE Signal Code
- DF Media and Status Code

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)

Syntax Notes:
Semantic Notes:

Data Element Summary

	Ref.	Data		
	Des.	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	
			<i>Cite the same number as the one cited in ST02.</i>	