

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. Users operating under the Defense Logistics Management System (DLMS) must reference the Unit of Issue and Purchase Unit Conversion Table, Transportation Mode of Shipment Conversion Table and Accounting Classification Appendix which can be found on the National Institute of Standards and Technology (NIST) World Wide Web site.

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
9	020	LIN	Item Identification	O	1		
13	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
15	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
17	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
22	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
23	220	N1	Name	O	1
Not Used	230	N2	Additional Name Information	O	2
Not Used	240	N3	Address Information	O	2
Not Used	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
26	340	LM	Code Source Information	O	1
27	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
31	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).
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143		Transaction Set Identifier Code	M ID 3/3
				Code uniquely identifying a Transaction Set 856 Ship Notice/Manifest	
Must Use	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.
Comments: 1 BSN06 and BSN07 differentiate the functionality of use for the transaction set.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	BSN01	353	Transaction Set Purpose Code	M ID 2/2
			Code identifying purpose of transaction set	
			00 Original	
			77 Simulation Exercise	
			<i>Use to identify a simulated mobilization exercise transaction set. Activities initiating simulated mobilization exercises must ensure complete coordination with all activities involved. All transaction set recipients must use extreme caution to ensure that individual transactions do not process as action documents which affect accountable records.</i>	
Must Use	BSN02	396	Shipment Identification	M AN 2/30
			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>	
Must Use	BSN03	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	
			<i>This date corresponds to the Universal Time Coordinate (UTC).</i>	
Must Use	BSN04	337	Time	M 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)	
			<i>1. Express the originating activity's time in UTC.</i>	

2. Express time in a four-position (HHMM) format.

Not Used	BSN05	1005	Hierarchical Structure Code	O ID 4/4
			Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set	
Must Use	BSN06	640	Transaction Type Code	X ID 2/2
			Code specifying the type of transaction	
		AS	Shipment Advice	
			Notification by an inventory management organization providing current shipping advice relating to the outstanding requisition or order	
			<i>Use to indicate this transaction set provides shipment status information related to requisitions.</i>	
		NC	Material Release Order Forced Closure	
			Notification that an open record held for a previously transmitted material release order will be administratively closed	
			<i>Use to indicate this transaction set provides pseudo shipment status information.</i>	
	BSN07	641	Status Reason Code	O ID 3/3
			Code indicating the status reason	
		IV2	Material Shipped Between Intermediate Points	
			<i>Use to indicate transaction set contains a shipment status associated with a lateral redistribution order.</i>	

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:

- 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.*
 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.	Data	Attributes
	Des.	Element Name	
Must Use	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	
Must Use	HL03	735	Hierarchical Level Code	M ID 1/2
			Code defining the characteristic of a level in a hierarchical structure	
		V	Address Information	
			The HL loop will identify entities associated with the shipment notice transaction	
			<i>Use to identify the transaction set address loop.</i>	
		W	Transaction Reference Number	
			The HL loop will identify shipment notice information for each reported transaction reference number	
			<i>Use to identify the individual transaction shipment status loops.</i>	
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:

- 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.

Notes: *Must use only in 2/HL/010 transaction reference number loops to identify the material shipped.*

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
Not Used	LIN01	350 Assigned Identification	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
Must Use	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)	
		<i>Use one of codes A1, A2, A4, FB, FS, FT, MG, or YP to identify the material shipped. Must use National Stock Number (NSN) when known, except, when appropriate, brand name subsistence items are identified by the subsistence identification number.</i>	
		A1 Plant Equipment Number	
		Item identifier is a plant equipment number	
		<i>Use to identify plant equipment.</i>	

A2	Department of Defense Identification Code (DoDIC) Qualifies a code that uniquely identifies a type of explosive or ammunition <i>Use to identify ammunition items.</i>
A4	Subsistence Identification Number Item identifier is a brand-name resale subsistence item <i>Use to identify subsistence items.</i>
FB	Form Number <i>Use to identify the form stock number.</i>
FS	National Stock Number
FT	Federal Supply Classification <i>Use to identify the FSC of the nonstandard material when a part number is not available and material can only be identified by description (e.g., non-NSN lumber products).</i>
MG	Manufacturer's Part Number <i>Use to identify nonstandard material.</i>
YP	Publication Number <i>Use to identify the publication stock number.</i>

Must Use	LIN03	234	Product/Service ID Identifying number for a product or service	M AN 1/48
	LIN04	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X ID 2/2
			CN Commodity Name <i>Use with LIN02 code FT to identify the material name or description.</i>	
			ZB Commercial and Government Entity (CAGE) Code A code that identifies a commercial contractor authorized to do business with the U.S. government <i>Use with LIN02 code MG to uniquely identify a manufacturer's part number.</i>	
	LIN05	234	Product/Service ID Identifying number for a product or service	X AN 1/48
Not Used	LIN06	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X ID 2/2
Not Used	LIN07	234	Product/Service ID Identifying number for a product or service	X AN 1/48
Not Used	LIN08	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in	X ID 2/2

			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

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			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.
Comments:	1 SN103 defines the unit of measurement for both SN102 and SN104.
Notes:	<i>Must use only in 2/HL/010 transaction reference number loops 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	O AN 1/20
		Alphanumeric characters assigned for differentiation within a transaction set	
Must Use	SN102	382 Number of Units Shipped	M R 1/10
		Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	
		<i>1. For shipment status and lateral redistribution shipment status, use to identify the shipped quantity.</i>	
		<i>2. For pseudo shipment status (BSN06 code NC), use to identify the Material Release Order (MRO) quantity.</i>	
		<i>3. Express as a whole number with no decimals.</i>	
Must Use	SN103	355 Unit or Basis for Measurement Code	M ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		<i>Use to identify the unit of issue for the material shipped. DLMS users see the Unit of Issue Conversion Table for available codes.</i>	
Not Used	SN104	646 Quantity Shipped to Date	O R 1/15
		Number of units shipped to date	
Not Used	SN105	330 Quantity Ordered	X R 1/15
		Quantity ordered	
Not Used	SN106	355 Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
Not Used	SN107	728 Returnable Container Load Make-Up Code	O ID 1/2
		Code identifying the load make-up of the returnable containers in the shipment	

Not Used	SN108	668	Line Item Status Code	O ID 2/2
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Code specifying the action taken by the seller on a line item requested by the buyer

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:	<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:	<ol style="list-style-type: none"> 1 TD515 is the country where the service is to be performed.
Comments:	<ol style="list-style-type: none"> 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/010 transaction reference number loops to identify the mode of shipment.</i>

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
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. DLMS users see the Transportation Mode of Shipment Conversion Table for available codes.</i>	
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	

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Not Used	TD507	309	Location Qualifier Code identifying type of location	O ID 1/2
Not Used	TD508	310	Location Identifier Code which identifies a specific location	X AN 1/30
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.
- 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:

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

Comments:

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. DLMS users see the Accounting Classification Appendix for specific entries for the basic appropriation number and supplemental accounting classification data.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128 Reference Identification Qualifier	M ID 2/3
Code qualifying the Reference Identification			
<i>Use codes BT, LT, and SE, separately or in combination, to identify appropriate information for unique item tracking (UIT). Multiple occurrences must be restricted to any single qualifier.</i>			
	2I	Tracking Number	<i>Use to identify all shipments to a Defense Reutilization and Marketing Office (DRMO) that qualify for intransit control procedures (e.g., the shipped material line item value is \$800 or more or the item is recorded as pilferable/sensitive). Cite Y in REF02 if shipment meets specified criteria.</i>
	BT	Batch Number	<i>Use to identify the manufacturer's batch number or other number identifying the production run.</i>
	FG	Fund Identification Number	<i>Use to identify the fund purpose code. Cite any fund purpose code in REF02 except code CR or DR.</i>
	LT	Lot Number	

				<i>Use to identify the manufacturer's lot number.</i>
		SE	Serial Number	
				<i>Use to identify the unique item identifier (UII).</i>
		TG	Transportation Control Number (TCN)	
				<i>Must use in every 2/HL/010 transaction reference number loop to identify the shipment unit TCN.</i>
		TN	Transaction Reference Number	
				<i>Must use in every 2/HL/010 transaction reference number loop to identify the customer assigned transaction number associated with the shipment unit.</i>
Must Use	REF02	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	REF03	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	
				<i>Use only with REF01 code FG and REF04 code AT to cite the supplemental accounting classification data.</i>
	REF04	C040	Reference Identifier	O
			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>	
			<i>If providing only the fund code use REF04-01 code FU and cite the fund code in REF04-02.</i>	
			<i>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.</i>	
			<i>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.</i>	
			<i>2. When needed, use codes from REF04-01 and the next available combination of data element 128/127 pairs to provide the necessary data.</i>	
Must Use	C04001	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			<i>1. Use one of codes 08, AW, BL, BM, IZ, K2, K3, ZH, or WY with REF01 code TG to identify a secondary transportation number.</i>	
			<i>2. Use one of codes CT or W3 to identify the procurement document which authorized the commercial contractor to requisition from DoD</i>	

inventories. Use with REF01 code TN.

08	Carrier Assigned Package Identification Number A reference number assigned by a carrier to uniquely identify a single package
10	Account Managers Code Identifies the telecommunications manager assigned to this account <i>Use in one of REF04-03 or REF04-05 to identify the authorized accounting activity (AAA)/accounting disbursing station number (ADSN)/fiscal station number (FSN).</i>
AT	Appropriation Number <i>Use in one of REF04-01 or REF04-03 to identify the basic appropriation data.</i>
AW	Air Waybill Number <i>Use to identify the shipment unit air waybill number.</i>
BL	Government Bill of Lading <i>Use to identify the government bill of lading.</i>
BM	Bill of Lading Number <i>Use to identify the shipment unit commercial bill of lading number.</i>
CT	Contract Number <i>Use on shipments of GFM to the contractor.</i>
FU	Fund Code Defense Fuel Supply Center to bill back fuel purchases to the appropriate service or agency account fund <i>Use with REF01 code FG to identify the Fund Code. Use to accommodate legacy system requirements. Use in Lateral Referral Order (LRO) shipment status to identify the fund code to which the credit for the material and reimbursement for the packaging, crating, handling and transportation (PCH&T) cost is to be provided.</i>
IZ	Insured Parcel Post Number Number assigned to control an insured parcel post shipment from shipper to consignee <i>Use to identify the shipment unit insured parcel post number.</i>
K1	Foreign Military Sales Notice Number Number assigned to control a foreign military sales shipment from shipper to consignee

Use for Foreign Military Sales (FMS) shipments made on commercial bill of lading or commercial collect bill of lading, to identify the shipment unit FMS notice number.

K2 Certified Mail Number
 Number assigned by U.S. Postal Service (USPS) to monitor the movement of certified mail from point of acceptance by USPS to point of delivery

Use to identify the shipment unit certified mail number.

K3 Registered Mail Number
 Number assigned by U.S. Postal Service (USPS) to monitor the movement of mail from point of acceptance by USPS to point of delivery

Use to identify the shipment unit registered parcel post number.

W3 Manufacturing Directive Number
 Identifies the Management Control Activity and contract associated with government furnished material transactions

Use on shipments of GFM to the contractor.

W8 Suffix
 Differentiates between partial actions taken on the original transaction

Use with REF01 code TN to identify the transaction number suffix.

WY Waybill Number
Use to identify the shipment unit waybill number.

ZH Carrier Assigned Reference Number
Use to identify the shipment unit express mail number.

Must Use 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
 Qualifies a code that identifies the authorizing documentation for a household goods
Use in GFM transactions with REF04-01 code CT to identify the call or order number, or the call or order number including the respective call or order

modification associated with the applicable contract.

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>	
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:

Comments:

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
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
Must Use	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time	
		011	Shipped	
			<i>Use to identify the material shipment date, regardless of shipment method.</i>	
		514	Transferred	
			<i>Use to identify the material transfer date to the carrier if a delay occurs prior to actual shipment.</i>	
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 1/35
			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:
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. *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 Element	Name	Attributes
Must Use	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		77 Service Location	<i>Use to identify the party to receive packing, crating, and handling credit when different from the party to receive credit for material. Data maintenance action to add qualifier CRP for this purpose has been approved for version 4020.</i>
		CA Carrier	<i>Use as needed to identify the shipment unit carrier.</i>
		MF Manufacturer of Goods	<i>Use to identify the manufacturer of the UIT item.</i>
		RL Reporting Location	<i>Use for LRO shipment status to identify the organization responsible for release of the retail assets.</i>
		SB Storage Area	<i>Use as needed to identify the initial shipping activity.</i>

ST	Ship To <i>Use to identify the organization to receive the material. For disposal shipments use to identify the DRMO.</i>
Z1	Party to Receive Status An organization that will receive information about a transaction <i>Use to indicate the organization to receive shipment status including the Service/Agency prescribed status recipient. Use multiple iterations of the 2/N1/220 loop to identify shipment status recipients, as needed.</i>
Z4	Owning Inventory Control Point An inventory control organization responsible for management of a particular item <i>Use to identify the supply source or applicable ICP/IMM.</i>
ZB	Party to Receive Credit The organization to which credit will be granted <i>Use for LRO Shipment Status to identify the activity to which the credit for the material and reimbursement for the packaging, crating, handling, and transportation (PCH&T) costs is to be provided.</i>
ZZ	Mutually Defined <i>Use to identify the party to receive transportation credit when different from the party to receive credit for material. Data maintenance action to add qualifier CRT for this purpose has been approved for version 4020.</i>

Not Used	N102	93	Name Free-form name	X	AN 1/60
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	X	ID 1/2
		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)		
		M4	Department of Defense Routing Identifier Code (RIC)		

An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions

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

For LRO shipment status, use with 2/N1/220 code RL, otherwise use with code Z4, to indicate the organization cited in N104 is originating the transaction.

TO Message To

Must use with 2/N1/220 code ST to indicate the organization cited in N104 is receiving the transaction.

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:

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

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>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	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:
Comments:

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

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
Must Use	LQ01	O ID 1/3
	1270	Code List Qualifier Code
		Code identifying a specific industry code list
	0	Document Identification Code Codes that subclassify a transaction
	36	Air Terminal Identifier Code Identifies the name and location of air terminals worldwide <i>Use to identify air terminal identification codes for Outside Continental United States (OCONUS) shipments made via Defense Transportation System (DTS) air modes.</i>
	37	Water Terminal Identifier Code Identifies water ports worldwide <i>Use to identify water terminal identification codes for OCONUS shipments made via DTS water modes.</i>
	38	Consolidation and Containerization Point Code Activities that consolidate cargo for overseas movement
	58	Transportation Bill Code Earnings for "below-the-line" transportation of material <i>Use for FMS shipments, to identify the applicable shipment Transportation Bill Code (TBC).</i>
	67	Type of Assistance Code Codes that distinguish between types of military assistance transactions <i>For Security Assistance (SA) transactions, use only</i>

	<i>when the coded address in the transaction number does not identify the type of assistance and financing.</i>
79	<p>Priority Designator Code</p> <p>The priority of a transaction</p> <p><i>Use to accommodate legacy system requirements.</i></p>
81	<p>Status Code</p> <p>Informs appropriate recipients about the status of a transaction or excess report</p> <p><i>Use to identify additional status information related to the shipment unit.</i></p>
85	<p>Country and Activity Code</p> <p>Countries, international organizations, and accounts that could receive material or services under the Foreign Military Sales System and through Military Assistance Program Grant Aid</p> <p><i>For MAP/GA transactions, use only when the coded address in the transaction number does not identify the type of country or activity.</i></p>
89	<p>Cooperative Logistics Program Support Code</p> <p>Indicates whether or not a Foreign Military Sales transaction is a programmed or unprogrammed requirement</p> <p><i>For FMS transactions, must use to identify programmed, nonprogrammed, and termination/drawdown requirements.</i></p>
92	<p>Reason for Disposal Code</p> <p>Explains why material is being transferred for disposal</p> <p><i>Use for material transferred to a Defense Reutilization and Marketing Service (DRMS) to identify the reason for transfer of the shipment unit.</i></p>
93	<p>Type of Storage Code</p> <p>The storage requirements for material</p> <p><i>Use to identify the minimum level of storage environment required for the shipment unit.</i></p>
95	<p>Offer and Release Option Code</p> <p>Allows countries participating in the Foreign Military Sales Program to advise supply sources whether or not prior notice to country representatives or freight forwarders is required before shipment</p> <p><i>For FMS transactions, must use to advise the supply source of the type of notice required prior to</i></p>

	<i>shipping the material.</i>
A2	<p>Customer Within Country Code</p> <p>The receiving country and place of discharge within the country for Military Assistance Program Grant Aid or the country's mark-for or ship-to addresses in Foreign Military Sales transactions</p> <p><i>For SA transactions, use only when the coded address in the transaction number does not identify the customer-within-country.</i></p>
A3	<p>Delivery Term Code</p> <p>The delivery term for a Foreign Military Sales shipment</p> <p><i>For FMS transactions, use only when the coded address in the transaction number does not identify the delivery term.</i></p>
A6	<p>Freight Forwarder Number</p> <p>Representatives designated by a country to accomplish or control shipments of Foreign Military Sales material</p> <p><i>Must use in FMS transactions to identify the country representative or freight forwarder to receive shipments and documentation.</i></p>
A7	<p>Record Control Number</p> <p>A line item of the International Logistics Program</p> <p><i>Must use in MAP/GA transactions to identify the program line item number.</i></p>
A8	<p>Program Year Code</p> <p>Number defining the fiscal year in which the International Logistics Program Item is to be planned</p> <p><i>Must use in MAP/GA transactions to indicate the program year in which the requisitioned item was approved and funded.</i></p>
A9	<p>Supplemental Data</p> <p>Identifies the originating organization's unique logistics information</p>
AK	<p>Distribution Code</p> <p>Code identifying activities eligible to receive additional status</p>
BC	<p>Transportation Holding Delay Code</p> <p>Identifies the reason for a transportation delay</p> <p><i>Use to identify the reason a shipment unit is not shipped immediately after material is picked, packed, marked and made ready for shipment.</i></p>
COG	<p>Cognizance Symbol</p>

Use to identify the material cognizance symbol (COG) of the end item. Indicate NSL for non-stock numbered listed items. This is a Navy -unique data element meaningful to Navy only; Non-Navy Components are to perpetuate without action.

DE Signal Code

Use to accommodate legacy system requirements. Use in LRO shipment status to indicate the activity to receive credit.

DF Media and Status Code

IMC Item Management Code

Use to identify the Item Management Code (IMC) for integrated material management. Indicate NSL for non-stock numbered listed items. This is a Navy-unique data element meaningful to Navy only; Non-Navy Components are to perpetuate without action.

MCC Material Control Code

Use to identify the Material Control Code (MCC) for special inventory reporting. Indicate NSL for non-stock numbered listed items. This is a Navy -unique data element meaningful to Navy only; Non-Navy Components are to perpetuate without action.

SMI Special Material Identification Code

Use to identify the Special Material Identification Code (SMIC) for an end item. Indicate NSL for non-stock numbered listed items. This is a Navy -unique data element meaningful to Navy only; Non-Navy Components are to perpetuate without action.

Must Use **LQ02** **1271** **Industry Code** **X** **AN 1/30**
 Code indicating a code from a specific industry code list

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

Data Element Summary

	Ref.	Data		
	Des.	Element	Name	Attributes
Must Use	SE01	96	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	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>	