

856 Ship Notice/Manifest

Functional Group=SH

This Draft Standard for Trial Use contains the format and establishes the data contents of the Ship Notice/Manifest Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information. The sender of this transaction is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

Notes:

3/10 Number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of units shipped (SN102) for each SN1 segment.

Comments:

2/10 The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

Federal Note:

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.

DLMS Note:

1. Users operating under the Defense Logistics Management system (DLMS) must reference the Unit of Issue and Purchase Unit Conversion Table and the Accounting Classification Appendix which can be found on the Defense Logistics Management Standards Office (DLMSO) web site at <http://www.dla.mil/j-6/dlms>.
2. This DLMS Supplement contains:
 - a. Data associated with a DLMS enhancement which may not be received or understood by the recipient's automated processing system. DLMS procedures may not have been developed. Components must coordinate requirements and business rules with DLMSO prior to use.
 - b. Data associated with an Approved Change which may not have an established implementation date. This data may not be received or understood by the recipient's automated processing system. Components must coordinate implementation with DLMSO prior to use.
 - c. Defense Logistics Standard System (DLSS) data which must be retained in the DLMS for a transition period to support transaction conversion in a mixed DLSS/DLMS environment. This data will be streamlined out once full DLMS implementation is reached. Components may coordinate with DLMSO for early termination (or retention) of specific data requirements for users operating in a full DLMS environment.

d. Data elements which have an expanded files size above existing DLSS capability which may not be supported by the recipient's automated processing system. Components must coordinate implementation with DLMSO prior to use.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
10	ST	Transaction Set Header	M	1			Must use
20	BSN	Beginning Segment for Ship Notice	M	1			Must use
* 40	DTM	Date/Time Reference	O	10			Not used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - HL						200000	
10	HL	Hierarchical Level	M	1		C2/10	Must use
20	LIN	Item Identification	O	1			Used
30	SN1	Item Detail (Shipment)	O	1			Used
* 40	SLN	Subline Item Detail	O	1000			Not used
* 50	PRF	Purchase Order Reference	O	1			Not used
* 60	PO4	Item Physical Details	O	1			Not used
* 70	PID	Product/Item Description	O	200			Not used
* 80	MEA	Measurements	O	40			Not used
* 90	PWK	Paperwork	O	25			Not used
* 100	PKG	Marking, Packaging, Loading	O	25			Not used
* 110	TD1	Carrier Details (Quantity and Weight)	O	20			Not used
120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			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			Not used
150	REF	Reference Identification	O	>1			Used
* 151	PER	Administrative Communications Contact	O	3			Not used
LOOP ID - LH1						100	
* 152	LH1	Hazardous Identification Information	O	1			Not used
* 153	LH2	Hazardous Classification Information	O	4			
* 154	LH3	Hazardous Material Shipping Name	O	12			
* 155	LFH	Freeform Hazardous Material Information	O	20			
* 156	LEP	EPA Required Data	O	>1			
* 157	LH4	Canadian Dangerous Requirements	O	1			
* 158	LHT	Transborder Hazardous Requirements	O	3			
* 159	LHR	Hazardous Material Identifying Reference Numbers	O	10			
* 160	PER	Administrative Communications Contact	O	5			
* 161	LHE	Empty Equipment Hazardous Material Information	O	1			
LOOP ID - CLD						200	
* 170	CLD	Load Detail	O	1			Not used
* 180	REF	Reference Identification	O	200			
* 185	DTP	Date or Time or Period	O	1			
* 190	MAN	Marks and Numbers	O	>1			Not used
200	DTM	Date/Time Reference	O	10			Used
* 210	FOB	F.O.B. Related Instructions	O	1			Not used

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
* 215	PAL	Pallet Information	O	1			Not used
LOOP ID - N1					200		
220	N1	Name	O	1			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			Not used
LOOP ID - SAC					≥1		
* 320	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Not used
* 325	CUR	Currency	O	1			
* 330	GF	Furnished Goods and Services	O	1			Not used
* 335	YNQ	Yes/No Question	O	10			Not used
LOOP ID - LM					10		
340	LM	Code Source Information	O	1			Used
350	LQ	Industry Code	M	100			Must use
LOOP ID - V1					≥1		
* 360	V1	Vessel Identification	O	1			Not used
* 370	R4	Port or Terminal	O	>1			
* 380	DTM	Date/Time Reference	O	>1			

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
* 10	CTT	Transaction Totals	O	1		N3/10	Not used
20	SE	Transaction Set Trailer	M	1			Must use

ST Transaction Set Header

Pos: 10	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

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

Semantics:

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use				
		Description: Code uniquely identifying a Transaction Set								
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>856</td> <td>Ship Notice/Manifest</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	856	Ship Notice/Manifest				
<u>Code</u>	<u>Name</u>									
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ST02	329	Transaction Set Control Number	M	AN	4/9	Must use				
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set								
		Federal Note: <i>A unique number assigned by the originator of the transaction set, or the originator's application program.</i>								

BSN Beginning Segment for Ship Notice

Pos: 20	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 6

To transmit identifying numbers, dates, and other basic data relating to the transaction set

Syntax:

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

Semantics:

1. BSN03 is the date the shipment transaction set is created.
2. BSN04 is the time the shipment transaction set is created.
3. BSN06 is limited to shipment related codes.

Comments:

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BSN01	353	Transaction Set Purpose Code	M	ID	2/2	Must use
		Description: Code identifying purpose of transaction set				
		<u>Code</u>		<u>Name</u>		
		00		Original		
		77		Simulation Exercise		
		DLMS Note: 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.				
BSN02	396	Shipment Identification	M	AN	2/30	Must use
		Description: A unique control number assigned by the original shipper to identify a specific shipment				
		Federal Note: Use code "ZZ" for this data element to satisfy X12 syntax requirements.				
BSN03	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
		Federal Note: This date corresponds to the Universal Time Coordinate (UTC).				
BSN04	337	Time	M	TM	4/8	Must use

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>										
		<p>Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)</p> <p>Federal Note: 1. Express the originating activity's time in UTC.</p> <p>2. Express time in a four-position (HHMM) format.</p>														
BSN06	640	Transaction Type Code	X	ID	2/2	Must use										
		<p>Description: Code specifying the type of transaction</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>AS</td> <td>Shipment Advice</td> </tr> <tr> <td></td> <td>DLMS Note: Use to indicate this transaction set provides shipment status information related to requisitions.</td> </tr> <tr> <td>NC</td> <td>Material Release Order Forced Closure</td> </tr> <tr> <td></td> <td>DLMS Note: Use to indicate this transaction set provides pseudo shipment status information.</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	AS	Shipment Advice		DLMS Note: Use to indicate this transaction set provides shipment status information related to requisitions.	NC	Material Release Order Forced Closure		DLMS Note: Use to indicate this transaction set provides pseudo shipment status information.				
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NC	Material Release Order Forced Closure															
	DLMS Note: Use to indicate this transaction set provides pseudo shipment status information.															
BSN07	641	Status Reason Code	O	ID	3/3	Used										
		<p>Description: Code indicating the status reason</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>IV2</td> <td>Material Shipped Between Intermediate Points</td> </tr> <tr> <td></td> <td>DLMS Note: Use to indicate transaction set contains a shipment status associated with a lateral redistribution order.</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	IV2	Material Shipped Between Intermediate Points		DLMS Note: Use to indicate transaction set contains a shipment status associated with a lateral redistribution order.								
<u>Code</u>	<u>Name</u>															
IV2	Material Shipped Between Intermediate Points															
	DLMS Note: Use to indicate transaction set contains a shipment status associated with a lateral redistribution order.															

HL Hierarchical Level

Pos: 10	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 2

To identify dependencies among and the content of hierarchically related groups of data segments

Comments:

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

Federal Note:

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.*

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use
		Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure				
		Federal Note: <i>In the first 2/HL/010 loop iteration, cite numeric 1. In each subsequent loop iteration, increase incrementally by 1.</i>				
HL03	735	Hierarchical Level Code	M	ID	1/2	Must use
		Description: Code defining the characteristic of a level in a hierarchical structure				
		<u>Code</u>		<u>Name</u>		
		V		Address Information		
		DLMS Note: <i>Use to identify the transaction set address loop.</i>				
		W		Transaction Reference Number		
		DLMS Note: <i>Use to identify the individual transaction shipment status loops.</i>				

LIN Item Identification

Pos: 20	Max: 1
Detail - Optional	
Loop: HL	Elements: 4

To specify basic item identification data

Syntax:

P0405 -- If either LIN04 or LIN05 are present, then the others are required.
 P0607 -- If either LIN06 or LIN07 are present, then the others are required.
 P0809 -- If either LIN08 or LIN09 are present, then the others are required.
 P1011 -- If either LIN10 or LIN11 are present, then the others are required.
 P1213 -- If either LIN12 or LIN13 are present, then the others are required.
 P1415 -- If either LIN14 or LIN15 are present, then the others are required.
 P1617 -- If either LIN16 or LIN17 are present, then the others are required.
 P1819 -- If either LIN18 or LIN19 are present, then the others are required.
 P2021 -- If either LIN20 or LIN21 are present, then the others are required.
 P2223 -- If either LIN22 or LIN23 are present, then the others are required.
 P2425 -- If either LIN24 or LIN25 are present, then the others are required.
 P2627 -- If either LIN26 or LIN27 are present, then the others are required.
 P2829 -- If either LIN28 or LIN29 are present, then the others are required.
 P3031 -- If either LIN30 or LIN31 are present, then the others are required.

Semantics:

1. LIN01 is the line item identification

Comments:

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

Federal Note:

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN02	235	Product/Service ID Qualifier	M	ID	2/2	Must use

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

DLMS Note: 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.

<u>Code</u>	<u>Name</u>
A1	Plant Equipment Number
A2	Department of Defense Identification Code (DoDIC)

DLMS Note: Use to identify plant equipment.

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Code Name				
	A4	DLMS Note: Use to identify ammunition items. Subsistence Identification Number				
	F4	DLMS Note: Use to identify subsistence items. Series Identifier				
	FB	DLMS Note: Use to identify the manufacturer's series number of the end item. Form Number				
	FS	DLMS Note: Use to identify the form stock number. National Stock Number				
	FT	Federal Supply Classification DLMS Note: 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).				
	MG	Manufacturer's Part Number DLMS Note: Use to identify nonstandard material.				
	MN	Model Number DLMS Note: Use to identify the manufacturer's model number of the end item.				
	SN	Serial Number DLMS Note: Use to identify the manufacturer's serial number of the end item.				
	YP	Publication Number DLMS Note: Use to identify the publication stock number.				
LIN03	234	Product/Service ID Description: Identifying number for a product or service	M	AN	1/48	Must use
LIN04	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2	Used
		Code Name				
	CN	Commodity Name DLMS Note: Use with LIN02 code FT to identify the material name or description.				
	ZB	Commercial and Government Entity (CAGE) Code DLMS Note: Use with LIN02 code MG to uniquely identify a manufacturer's part number.				
LIN05	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used

SN1 Item Detail (Shipment)

Pos: 30	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

To specify line-item detail relative to shipment

Syntax:

1. SN105 P0506 -- If either SN105 or SN106 are present, then the others are required.

Semantics:

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

Comments:

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

Federal Note:

Must use only in 2/HL/010 transaction reference number loops to identify the number of units shipped.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SN102	382	Number of Units Shipped	M	R	1/10	Must use
		Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set Federal Note: <i>Express as a whole number with no decimals.</i> DLMS Note: <i>1. For shipment status and lateral redistribution shipment status, use to identify the shipped quantity. 2. For pseudo shipment status (BSN06 code NC), use to identify the Material Release Order (MRO) quantity.</i>				
SN103	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Federal Note: <i>Use to identify the unit of issue for the material shipped.</i> DLMS Note: <i>DLMS users see the Unit of Issue Conversion Table for available codes.</i>				

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 120	Max: 12
Detail - Optional	
Loop: HL	Elements: 1

To specify the carrier and sequence of routing and provide transit time information

Syntax:

1. TD502 R0204050612 -- At least one of TD502, TD504, TD505, TD506 or TD512 is required.
2. TD502 C0203 -- If TD502 is present, then TD503 is required
3. TD507 C0708 -- If TD507 is present, then TD508 is required
4. TD510 C1011 -- If TD510 is present, then TD511 is required
5. TD513 C1312 -- If TD513 is present, then TD512 is required
6. TD514 C1413 -- If TD514 is present, then TD513 is required
7. TD515 C1512 -- If TD515 is present, then TD512 is required

Semantics:

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.

Federal Note:

Use only in 2/HL/010 transaction reference number loops to identify the mode of shipment.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TD504	91	Transportation Method/Type Code	X	ID	1/2	Used

Description: Code specifying the method or type of transportation for the shipment

Federal Note: *Use to identify the mode of shipment.*

DLMS Note: *DLMS users see the Transportation Mode of Shipment Conversion Table for available codes.*

REF Reference Identification

Pos: 150	Max: >1
Detail - Optional	
Loop: HL	Elements: 4

To specify identifying information

Syntax:

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

Semantics:

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

Federal Note:

- 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.
- 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.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Federal Note: *Following is a list of preferred codes.*

DLMS Note: *1. 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.*

2. For DLMS use, only the following codes are authorized.

<u>Code</u>	<u>Name</u>
2I	Tracking Number DLMS Note: <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 DLMS Note: <i>Use to identify the manufacturer's batch number or other number identifying the production run.</i>
FG	Fund Identification Number DLMS Note: <i>Use to identify the fund purpose</i>

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>												
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TN	Transaction Reference Number DLMS Note: <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>																	
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Must use												
REF03	352	Description Description: A free-form description to clarify the related data elements and their content DLMS Note: <i>Use only with REF01 code FG and REF04 code AT to cite the supplemental accounting classification data.</i>	X	AN	1/80	Used												
REF04	C040	Reference Identifier Syntax Rules: P0304 P0506 Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier Federal Note: <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>	O	Comp		Used												

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		2. When needed, use codes from REF04-01 and the next available combination of data element 128/127 pairs to provide the necessary data.				
128		Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification				
		DLMS Note: 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.				
		2. Use one of codes CT or W3 to identify the procurement document which authorized the commercial contractor to requisition from DoD inventories. Use with REF01 code TN.				
		Code				
		Name				
	08	Carrier Assigned Package Identification Number				
	10	Account Managers Code				
		DLMS Note: 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).				
	AT	Appropriation Number				
		DLMS Note: Use in one of REF04-01 or REF04-03 to identify the basic appropriation data.				
	AW	Air Waybill Number				
		DLMS Note: Use to identify the shipment unit air waybill number.				
	BL	Government Bill of Lading				
		DLMS Note: Use to identify the government bill of lading.				
	BM	Bill of Lading Number				
		DLMS Note: Use to identify the shipment unit commercial bill of lading number.				
	CT	Contract Number				
		DLMS Note: Use on shipments of GFM to the contractor.				
	FU	Fund Code				
		DLMS Note: 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.				
	IZ	Insured Parcel Post Number				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<u>Code</u>				
		<u>Name</u>				
		DLMS Note: Use to identify the shipment unit insured parcel post number.				
	K1	Foreign Military Sales Notice Number				
		DLMS Note: 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				
		DLMS Note: Use to identify the shipment unit certified mail number.				
	K3	Registered Mail Number				
		DLMS Note: Use to identify the shipment unit registered parcel post number.				
	W3	Manufacturing Directive Number				
		DLMS Note: Use on shipments of GFM to the contractor.				
	W8	Suffix				
		DLMS Note: Use with REF01 code TN to identify the transaction number suffix.				
	WY	Waybill Number				
		DLMS Note: Use to identify the shipment unit waybill number.				
	ZH	Carrier Assigned Reference Number				
		DLMS Note: Use to identify the shipment unit express mail number.				
127	Reference Identification		M	AN	1/30	Must use
	Description:	Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
128	Reference Identification Qualifier		X	ID	2/3	Used
	Description:	Code qualifying the Reference Identification				
	Federal Note:	For other valid codes, see REF04, C04001.				
		<u>Code</u>				
		<u>Name</u>				
	OQ	Order Number				
		DLMS Note: 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.				
127	Reference Identification		X	AN	1/30	Used
	Description:	Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
128	Reference Identification Qualifier		X	ID	2/3	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code qualifying the Reference Identification				
		Federal Note: <i>For valid codes, see REF04, C04001.</i>				
	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

DTM Date/Time Reference

Pos: 200	Max: 10
Detail - Optional	
Loop: HL	Elements: 2

To specify pertinent dates and times

Syntax:

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

Federal Note:

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>										
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use										
		Description: Code specifying type of date or time, or both date and time														
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>011</td> <td>Shipped</td> </tr> <tr> <td></td> <td>DLMS Note: Use to identify the material shipment date, regardless of shipment method.</td> </tr> <tr> <td>514</td> <td>Transferred</td> </tr> <tr> <td></td> <td>DLMS Note: Use to identify the material transfer date to the carrier if a delay occurs prior to actual shipment.</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	011	Shipped		DLMS Note: Use to identify the material shipment date, regardless of shipment method.	514	Transferred		DLMS Note: Use to identify the material transfer date to the carrier if a delay occurs prior to actual shipment.				
<u>Code</u>	<u>Name</u>															
011	Shipped															
	DLMS Note: Use to identify the material shipment date, regardless of shipment method.															
514	Transferred															
	DLMS Note: Use to identify the material transfer date to the carrier if a delay occurs prior to actual shipment.															
DTM02	373	Date	X	DT	8/8	Must use										
		Description: Date expressed as CCYYMMDD														

N1 Name

Pos: 220	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

To identify a party by type of organization, name, and code

Syntax:

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

Comments:

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

Federal Note:

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.*

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use
Description: Code identifying an organizational entity, a physical location, property or an individual						
Federal Note: <i>Following is a list of preferred codes.</i>						
DLMS Note: <i>For DLMS use, only the following codes are authorized.</i>						
	<u>Code</u>	<u>Name</u>				
	77	Service Location				
DLMS Note: <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				
DLMS Note: <i>Use as needed to identify the shipment unit carrier.</i>						
	GP	Gateway Provider				
DLMS Note: <i>Future streamlined data needed for transition period to support transaction conversion in a mixed DLSS/DLMS environment. Use to identify DAASC as originator during conversion when the DLSS</i>						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Code				
		Name				
		<i>transaction does not contain a "From" organization.</i>				
	MF	Manufacturer of Goods				
		DLMS Note: <i>Use to identify the manufacturer of the UIT item.</i>				
	RL	Reporting Location				
		DLMS Note: <i>Use for LRO shipment status to identify the organization responsible for release of the retail assets.</i>				
	SB	Storage Area				
		DLMS Note: <i>Use as needed to identify the initial shipping activity.</i>				
	ST	Ship To				
		DLMS Note: <i>Use to identify the organization to receive the material. For disposal shipments use to identify the DRMO.</i>				
	Z1	Party to Receive Status				
		DLMS Note: <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				
		DLMS Note: <i>Use to identify the supply source or applicable ICP/IMM.</i>				
	ZB	Party to Receive Credit				
		DLMS Note: <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				
		DLMS Note: <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>				
N103	66	Identification Code Qualifier	X	ID	1/2	Must use
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		Code				
		Name				
	1	D-U-N-S Number, Dun & Bradstreet				
		DLMS Note: <i>DLMS enhancement; see introductory DLMS note 2a.</i>				
	2	Standard Carrier Alpha Code (SCAC)				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Code				
		Name				
		DLMS Note: Use as needed to identify the commercial carrier.				
	9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix				
		DLMS Note: DLMS enhancement; see introductory DLMS note 2a.				
	10	Department of Defense Activity Address Code (DODAAC)				
		DLMS Note: DLMS enhancement; see introductory DLMS note 2a.				
	A2	Military Assistance Program Address Code (MAPAC)				
		DLMS Note: Use to indicate the Security Assistance (SA) structured address data.				
	M4	Department of Defense Routing Identifier Code (RIC)				
		DLMS Note: 1. The RIC is retained in the DLMS to facilitate transaction conversion in a mixed DLSS/DLMS environment. Continued support of the RIC in a full DLMS environment will be assessed at a future date. Typically under the DLMS, the RIC will be replaced with a DoDAAC or a commercial identifier.				
		2. Future streamlined data; see introductory DLMS note 2c.				
N104	67	Identification Code	X	AN	2/80	Must use
		Description: Code identifying a party or other code				
N106	98	Entity Identifier Code	O	ID	2/3	Used
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		Code				
		Name				
	FR	Message From				
		DLMS Note: 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				
		Federal Note: Must use with 2/N1/220 code ST to indicate the organization cited in N104 is receiving the transaction.				

LM Code Source Information

Pos: 340	Max: 1
Detail - Optional	
Loop: LM	Elements: 1

To transmit standard code list identification information

Comments:

- LM02 identifies the applicable industry code list source information.

Federal Note:

Must use only in 2/HL/010 transaction reference number loops to identify coded information maintained in department or agency documentation.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LM01	559	Agency Qualifier Code	M	ID	2/2	Must use
Description: Code identifying the agency assigning the code values						
		<u>Code</u>	<u>Name</u>			
		DF	Department of Defense (DoD)			

LQ Industry Code

Pos: 350	Max: 100
Detail - Mandatory	
Loop: LM	Elements: 2

Code to transmit standard industry codes

Syntax:

1. LQ01 C0102 -- If LQ01 is present, then LQ02 is required

Federal Note:

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LQ01	1270	Code List Qualifier Code	O	ID	1/3	Must use

Description: Code identifying a specific industry code list

Federal Note: *Following is a list of preferred codes.*

DLMS Note: *For DLMS use, only the following codes are authorized.*

<u>Code</u>	<u>Name</u>
0	Document Identification Code
36	Air Terminal Identifier Code
	DLMS Note: <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
	DLMS Note: <i>Use to identify water terminal identification codes for OCONUS shipments made via DTS water modes.</i>
38	Consolidation and Containerization Point Code
58	Transportation Bill Code
	DLMS Note: <i>Use for FMS shipments, to identify the applicable shipment Transportation Bill Code (TBC).</i>
67	Type of Assistance Code
	DLMS Note: <i>For Security Assistance (SA) transactions, use only when the coded address in the transaction number does not identify the type of assistance and financing.</i>
79	Priority Designator Code
	DLMS Note: <i>Use to accommodate legacy system requirements.</i>
81	Status Code
	DLMS Note: <i>Use to identify additional status information related to the shipment unit.</i>

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
	<u>Code</u>	<u>Name</u>				
	85	Country and Activity Code DLMS Note: For MAP/GA transactions, use only when the coded address in the transaction number does not identify the type of country or activity.				
	89	Cooperative Logistics Program Support Code DLMS Note: For FMS transactions, must use to identify programmed, nonprogrammed, and termination/drawdown requirements.				
	92	Reason for Disposal Code DLMS Note: Use for material transferred to a Defense Reutilization and Marketing Service (DRMS) to identify the reason for transfer of the shipment unit.				
	93	Type of Storage Code DLMS Note: Use to identify the minimum level of storage environment required for the shipment unit.				
	95	Offer and Release Option Code DLMS Note: For FMS transactions, must use to advise the supply source of the type of notice required prior to shipping the material.				
	A2	Customer Within Country Code DLMS Note: For SA transactions, use only when the coded address in the transaction number does not identify the customer-within-country.				
	A3	Delivery Term Code DLMS Note: For FMS transactions, use only when the coded address in the transaction number does not identify the delivery term.				
	A6	Freight Forwarder Number DLMS Note: Must use in FMS transactions to identify the country representative or freight forwarder to receive shipments and documentation.				
	A7	Record Control Number DLMS Note: Must use in MAP/GA transactions to identify the program line item number.				
	A8	Program Year Code DLMS Note: Must use in MAP/GA transactions to indicate the program year in which the requisitioned item was approved and funded.				
	A9	Supplemental Data DLMS Note: 1. Use to identify supplemental address/data. 2. Future streamlined data; see introductory DLMS note 2c.				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
	<u>Code</u>	<u>Name</u>				
	AJ	Utilization Code				
		DLMS Note: 1. Under DLSS, this is the first position of the document serial number.				
		2. DLMS enhancement; see introductory DLMS note 2a.				
	AK	Distribution Code				
	AL	Special Requirements Code				
		Federal Note: Use to identify the precedence, special handling, and processing requirements.				
		DLMS Note: 1. Under DLSS, this is carried in the required delivery date field.				
		2. DLMS enhancement; see introductory DLMS note 2a.				
	BC	Transportation Holding Delay Code				
		DLMS Note: Use to identify the reason a shipment unit is not shipped immediately after material is picked, packed, marked and made ready for shipment.				
	DE	Signal Code				
		DLMS Note: Use to accommodate legacy system requirements. Use in LRO shipment status to indicate the activity to receive credit.				
	DF	Media and Status Code				
	COG	Cognizance Symbol				
		DLMS Note: 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.				
	IMC	Item Management Code				
		DLMS Note: 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				
		DLMS Note: 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;				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>								
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td></td> <td><i>Non-Navy Components are to perpetuate without action.</i></td> </tr> <tr> <td>SMI</td> <td>Special Material Identification Code</td> </tr> <tr> <td></td> <td>DLMS Note: <i>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.</i></td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>		<i>Non-Navy Components are to perpetuate without action.</i>	SMI	Special Material Identification Code		DLMS Note: <i>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.</i>				
<u>Code</u>	<u>Name</u>													
	<i>Non-Navy Components are to perpetuate without action.</i>													
SMI	Special Material Identification Code													
	DLMS Note: <i>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.</i>													
LQ02	1271	Industry Code Description: Code indicating a code from a specific industry code list	X	AN	1/30	Must use								

SE Transaction Set Trailer

Pos: 20	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Comments:

- SE is the last segment of each transaction set.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use
SE02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set Federal Note: <i>Cite the same number as the one cited in ST02.</i>	M	AN	4/9	Must use