

856 Ship Notice/Manifest

Functional Group=SH

Purpose: 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.

Federal Note:

1. Organizations use this transaction set to provide shipment availability, specification and content information to designated Country Representatives/ Freight Forwarders (CR/FF).
2. Use a single occurrence of this transaction set to transmit single or multiple NOAs to one designated CR/FF.
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. DoD distinguishes among Foreign Military Sales (FMS) Notices of Availability (NOA) requiring export release authorization, those not requiring export release authorization and those for which release will be delayed.
2. Identify the overall shipment attributes and detailed line item content of each shipment.
3. 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>.
4. 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.
5. This revision to the DLMS Supplement (DS) incorporates Proposed DLMS Changes (PDCs) and Approved DLMS Changes (ADCs) listed. PDCs and ADCs are available from the DLMSO website: <http://www.dla.mil/j-6/dlms/elibrary/Changes/processchanges.asp>

- ADC 309, NOA and NOA Reply Transaction Data Content/Mapping including Addition of Type Pack Code for 463L Pallets

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BSN	Beginning Segment for Ship Notice	M	1			Must use
* 040	DTM	Date/Time Reference	O	10			Not Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - HL					200000	C2/010L	
010	HL	Hierarchical Level	M	1		C2/010	Must use
020	LIN	Item Identification	O	1			Used
030	SN1	Item Detail (Shipment)	O	1			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>
* 040	SLN	Subline Item Detail	O	1000			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			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			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				<u>100</u>			
* 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			Not Used
* LOOP ID - CLD				<u>200</u>			
* 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			Not Used
200	DTM	Date/Time Reference	O	10			Used
* 210	FOB	F.O.B. Related Instructions	O	1			Not Used
* 215	PAL	Pallet Information	O	1			Not Used
LOOP ID - N1				<u>200</u>			
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

<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>
* 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			Not Used
* 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			Must use
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			Not Used
* 380	DTM	Date/Time Reference	O	>1			Not Used

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
* 010	CTT	Transaction Totals	O	1		N3/010	Not Used
020	SE	Transaction Set Trailer	M	1			Must use

Notes:

3/010 Number of line items (CTT01) is the accumulation of the number of HL segments. If used, hash total (CTT02) is the sum of the value of units shipped (SN102) for each SN1 segment.

Comments:

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

ST Transaction Set Header

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

User Option (Usage): Must use

Purpose: 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>	<u>Rep</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use	1
		Description: Code uniquely identifying a Transaction Set					
		Code Name					
		856 Ship Notice/Manifest					
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use	1
		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: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 6

User Option (Usage): Must use

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

Syntax Rules:

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

Semantics:

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

Comments:

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

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>	<u>Rep</u>
BSN01	353	Transaction Set Purpose Code	M	ID	2/2	Must use	1
		Description: Code identifying purpose of transaction set					
		Code	Name				
		00	Original				
		77	Simulation Exercise				
		DLMS Note:					
		<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>					
BSN02	396	Shipment Identification	M	AN	2/30	Must use	1
		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 mandatory X12 syntax requirements.					
BSN03	373	Date	M	DT	8/8	Must use	1
		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	1
		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)					
		Federal Note: 1. Express the originating activity's time in UTC.					

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
		<i>2. Express time in a four-position (HHMM) format.</i>					
BSN06	640	Transaction Type Code	X	ID	2/2	Must use	1
		Description: Code specifying the type of transaction					
		Code Name					
		AD Notice of Availability					
BSN07	641	Status Reason Code	O	ID	3/3	Must use	1
		Description: Code indicating the status reason					
		Federal Note: <i>Use to identify the type of NOA.</i>					
		Code Name					
		D50 Delayed					
		DLMS Note:					
		<i>Use to indicate that all referenced shipments are delayed.</i>					
		ENR Export Release Not Required					
		DLMS Note:					
		<i>Use to indicate that export release is not required for all referenced shipments.</i>					
		ERR Export Release Required					
		DLMS Note:					
		<i>Use to indicate that export release is required for all referenced shipments.</i>					

HL Hierarchical Level

Pos: 010	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 3

User Option (Usage): Must use**Purpose:** 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 overall shipment attributes, followed by shipment line item detail.
2. Use the first 2/HL/010 loop iteration to provide transaction set address information.
3. Use a single or multiple 2/HL/010 line item loop iterations to identify the line item detail associated with each shipment.

DLMS Note:

Use a single or multiple 2/HL/010 shipment loop iterations to identify the attributes associated with a single FMS notice number assigned to control the 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>	<u>Rep</u>
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use	1
<p>Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure</p> <p>Federal Note: <i>In the first 2/HL/010 loop iteration, cite numeric 1. In each subsequent loop iteration, increase incrementally by 1.</i></p>							
HL02	734	Hierarchical Parent ID Number	O	AN	1/12	Used	1
<p>Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to</p> <p>Federal Note: <i>1. Use for each 2/HL/010 line item loop iteration to identify the shipment loop associated with each line item.</i></p> <p><i>2. Data element content is the sequential number assigned to the 2/HL/010 shipment loop iteration and serves as the cross-reference between the shipment and all line items contained in the shipment.</i></p>							
HL03	735	Hierarchical Level Code	M	ID	1/2	Must use	1

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
------------	-----------	---------------------	------------	-------------	----------------	--------------	------------

Description: Code defining the characteristic of a level in a hierarchical structure

Code Name

I Item

DLMS Note:

Use to identify the individual line item loops.

S Shipment

DLMS Note:

Use to identify the individual shipment loops.

V Address Information

DLMS Note:

Use to identify the transaction set address loop.

LIN Item Identification

Pos: 020	Max: 1
Detail - Optional	
Loop: HL	Elements: 4

User Option (Usage): Used

Purpose: To specify basic item identification data

Syntax Rules:

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.
2. P0607 - If either LIN06 or LIN07 is present, then the other is required.
3. P0809 - If either LIN08 or LIN09 is present, then the other is required.
4. P1011 - If either LIN10 or LIN11 is present, then the other is required.
5. P1213 - If either LIN12 or LIN13 is present, then the other is required.
6. P1415 - If either LIN14 or LIN15 is present, then the other is required.
7. P1617 - If either LIN16 or LIN17 is present, then the other is required.
8. P1819 - If either LIN18 or LIN19 is present, then the other is required.
9. P2021 - If either LIN20 or LIN21 is present, then the other is required.
10. P2223 - If either LIN22 or LIN23 is present, then the other is required.
11. P2425 - If either LIN24 or LIN25 is present, then the other is required.
12. P2627 - If either LIN26 or LIN27 is present, then the other is required.
13. P2829 - If either LIN28 or LIN29 is present, then the other is required.
14. P3031 - If either LIN30 or LIN31 is present, then the other is required.

Semantics:

1. LIN01 is the line item identification

Comments:

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

Federal Note:

Must use only in 2/HL/010 line item loops to identify the material included in the 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>	<u>Rep</u>
LIN02	235	Product/Service ID Qualifier	M	ID	2/2	Must use	1

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

Federal Note: Use any code.

DLMS Note: 1. Use only 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.

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

Code Name

A1 Plant Equipment Number

DLMS Note:

Use to identify plant equipment.

A2 Department of Defense Identification Code (DoDIC)

DLMS Note:

Use to identify ammunition items.

Code Name

A4 Subsistence Identification Number

DLMS Note:*Use to identify subsistence items.*

F4 Series Identifier

DLMS Note:*Use to identify the manufacturer's series number of the end item.*

FB Form Number

DLMS Note:*Use to identify the form stock number.*

FS National Stock Number

DLMS Note:*Must use NSN when known.*

FT Federal Supply Classification

DLMS Note:*Use to identify nonstandard material when a part number is not available and material requisitioned was 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	M	AN	1/48	Must use	1
-------	-----	---------------------------	---	----	------	----------	---

Description: Identifying number for a product or service

LIN04	235	Product/Service ID Qualifier	X	ID	2/2	Used	1
-------	-----	-------------------------------------	---	----	-----	------	---

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)**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	X	AN	1/48	Used	1
-------	-----	---------------------------	---	----	------	------	---

Description: Identifying number for a product or service

SN1 Item Detail (Shipment)

Pos: 030	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

Purpose: To specify line-item detail relative to shipment

Syntax Rules:

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

Semantics:

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

Comments:

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

Federal Note:

Must use only in 2/HL/010 line item loops to identify the number of units associated with each transaction.

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>	<u>Rep</u>
SN102	382	Number of Units Shipped	M	R	1/10	Must use	1
		<p>Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set</p> <p>Federal Note: 1. Use to identify the quantity associated with the individual transaction.</p> <p>2. Express as a whole number with no decimals.</p>					
SN103	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use	1
		<p>Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p>Federal Note: Use to identify the unit of issue for the material.</p> <p>DLMS Note: DLMS users see the Unit of Issue and Purchase Unit Conversion Table.</p> <p>All valid standard codes are used.</p>					

MEA Measurements

Pos: 080	Max: 40
Detail - Optional	
Loop: HL	Elements: 3

User Option (Usage): Used

Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights(See Figures Appendix for example of use of C001)

Syntax Rules:

1. R03050608 - At least one of MEA03, MEA05, MEA06 or MEA08 is required.
2. C0504 - If MEA05 is present, then MEA04 is required.
3. C0604 - If MEA06 is present, then MEA04 is required.
4. L07030506 - If MEA07 is present, then at least one of MEA03, MEA05 or MEA06 is required.
5. E0803 - Only one of MEA08 or MEA03 may be present.

Semantics:

1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

Comments:

1. When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Federal Note:

Use only in 2/HL/010 shipment loops. Use two repetitions to identify shipment, weight and cube.

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>	<u>Rep</u>
MEA02	738	Measurement Qualifier	O	ID	1/3	Used	1
Description: Code identifying a specific product or process characteristic to which a measurement applies							
Code Name							
A Consolidated Weight							
DLMS Note:							
<i>Use with code LB in MEA04-01, to identify the shipment weight in pounds.</i>							
UCB Cube							
DLMS Note:							
<i>Use with code CF in MEA04-01 to identify the shipment cubic size (volume) expressed as cubic feet.</i>							
MEA03	739	Measurement Value	X	R	1/20	Must use	1
Description: The value of the measurement							
Federal Note: <i>Use to identify the actual number of pounds, pieces, or cubic feet, associated with the shipment based on the coding in MEA02 and MEA04-01.</i>							
MEA04	C001	Composite Unit of Measure	X	Comp		Must use	1
Description: To identify a composite unit of measure(See Figures Appendix for examples of use)							
MEA04-01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use	1
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken							

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
		<u>Code</u>					
		<u>Name</u>					
	CF	Cubic Feet					
		DLMS Note:					
		<i>Use with code UCB in MEA02 to indicate that the shipment cube is expressed as cubic feet.</i>					
	LB	Pound					
		DLMS Note:					
		<i>Use with code A in MEA02 to indicate that the shipment weight is expressed as pounds.</i>					

TD1 Carrier Details (Quantity and Weight)

Pos: 110	Max: 20
Detail - Optional	
Loop: HL	Elements: 1

User Option (Usage): Used

Purpose: To specify the transportation details relative to commodity, weight, and quantity

Syntax Rules:

1. C0102 - If TD101 is present, then TD102 is required.
2. C0304 - If TD103 is present, then TD104 is required.
3. C0607 - If TD106 is present, then TD107 is required.
4. P0708 - If either TD107 or TD108 is present, then the other is required.
5. P0910 - If either TD109 or TD110 is present, then the other is required.

Federal Note:

Use only in 2/HL/010 shipment loops.

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>	<u>Rep</u>
TD102	80	Lading Quantity	X	N0	1/7	Must use	1

Description: Number of units (pieces) of the lading commodity

Federal Note: *Use to identify the number of physical units (pieces) in the shipment.*

TD5 Carrier Details (Routing Sequence/Transit Time)

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

User Option (Usage): Used

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

Syntax Rules:

1. R0204050612 - At least one of TD502, TD504, TD505, TD506 or TD512 is required.
2. C0203 - If TD502 is present, then TD503 is required.
3. C0708 - If TD507 is present, then TD508 is required.
4. C1011 - If TD510 is present, then TD511 is required.
5. C1312 - If TD513 is present, then TD512 is required.
6. C1413 - If TD514 is present, then TD513 is required.
7. 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 shipment loops to identify the intended mode of shipment between the shipping activity and designated consignee.

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>	<u>Rep</u>
TD504	91	Transportation Method/Type Code	X	ID	1/2	Must use	1

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

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

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: 3

User Option (Usage): Used

Purpose: To specify identifying information

Syntax Rules:

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

Semantics:

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

DLMS Note:

1. Use in 2/HL/010 shipment loops to indicate the number of line items included in the shipment and the FMS Notice Number identification number controlling the shipment.
2. Use in 2/HL/010 line item loops to identify the customer assigned transaction number and unique item tracking (UIT) information when the item identified in 2/LIN/020 is subject to tracking under a UIT requirement.

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>	<u>Rep</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use	1

Description: Code qualifying the Reference Identification

Federal Note: Use any code.

DLMS Note: 1. Use only one of codes BT, LT or SE, as needed, to identify batch numbers, lot numbers or unique item identifiers (UII) assigned to material managed under UIT procedures.

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

Code Name

BT Batch Number

DLMS Note:

Use as needed to identify the manufacturer's batch number or other number identifying the production run.

K1 Foreign Military Sales Notice Number

DLMS Note:

Must use only in 2/HL/010 shipment loops to identify the number assigned to control the shipment between the shipper and consignee.

LO Load Planning Number

DLMS Note:

Use in 2/HL/010 shipment loops to identify the number of transactions included in the shipment.

LT Lot Number

DLMS Note:

Use to identify the manufacturer's lot number.

SE Serial Number

DLMS Note:

Use to identify a UII.

TN Transaction Reference Number

DLMS Note:

Must use in every 2/HL/010 line item loop to identify the customer assigned transaction number for the requisition associated with the shipment unit.

REF02	127	Reference Identification	X	AN	1/30	Must use	1
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier					
REF04	C040	Reference Identifier	O	Comp		Used	1
		Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier					
REF04-01	128	Reference Identification Qualifier	M	ID	2/3	Must use	1
		Description: Code qualifying the Reference Identification					
		Code Name					
		W8 Suffix					
		DLMS Note:					
		<i>Use with REF01 code TN to identify the transaction number suffix.</i>					
REF04-02	127	Reference Identification	M	AN	1/30	Must use	1
		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

User Option (Usage): Used**Purpose:** To specify pertinent dates and times**Syntax Rules:**

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

Federal Note:

Use in 2/HL/010 shipment and line item loops to identify dates associated with the NOA.

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>	<u>Rep</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use	1

Description: Code specifying type of date or time, or both date and time

Code Name

169 Product Availability Date

DLMS Note:

Use in every 2/HL/010 shipment loop to identify the NOA preparation date.

601 First Submission

DLMS Note:

Use in the shipment loop to identify the original NOA preparation date when the original NOA contained items which the customer rejected.

996 Required Delivery

DLMS Note:

Use to accommodate legacy system requirements to identify the required availability date.

DTM02	373	Date	X	DT	8/8	Used	1
-------	-----	------	---	----	-----	------	---

Description: Date expressed as CCYYMMDD

N1 Name

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

User Option (Usage): Used**Purpose:** To identify a party by type of organization, name, and code**Syntax Rules:**

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

Comments:

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

Federal Note:

Use the 2/N1/220 loop in the 2/HL/010 address loop to identify the organization originating the transaction set and the organization to receive 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>	<u>Rep</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use	1

Description: Code identifying an organizational entity, a physical location, property or an individual

Federal Note: Use any code.

DLMS Note: 1. Use only one of codes 98 or CY.

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

Code Name

98 Freight Management Facilitator

DLMS Note:

Use to identify the designated FF to receive the transaction set.

CI Consignor

DLMS Note:

Use as needed to identify the shipping activity.

CY Country

DLMS Note:

Use to identify the designated CR to receive the transaction set.

N103	66	Identification Code Qualifier	X	ID	1/2	Must use	1
------	----	-------------------------------	---	----	-----	----------	---

Description: Code designating the system/method of code structure used for Identification Code (67)

Code Name

A2 Military Assistance Program Address Code (MAPAC)

DLMS Note:

Use to indicate the SA structured address data which identifies the CR//FF to receive the NOA. Interpretation of this data may require additional codes cited elsewhere in the transaction.

M4 Department of Defense Routing Identifier Code (RIC)

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
N104	67	Identification Code	X	AN	2/80	Used	1

Description: Code identifying a party or other code

N106	98	Entity Identifier Code	O	ID	2/3	Must use	1
------	----	-------------------------------	---	----	-----	----------	---

Description: Code identifying an organizational entity, a physical location, property or an individual

Code Name

FR Message From

Federal Note:

Must use with 2/N101/220 code CI to indicate that the organization cited in N104 is originating the transaction set.

TO Message To

Federal Note:

Must use with 2/N101/220 codes CY and 98 to indicate that the organization cited in N104 is receiving the transaction set.

LM Code Source Information

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

User Option (Usage): Must use

Purpose: To transmit standard code list identification information

Comments:

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

Federal Note:

Must use this 2/LM/340 loop 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>	<u>Rep</u>
LM01	559	Agency Qualifier Code	M	ID	2/2	Must use	1
Description: Code identifying the agency assigning the code values							
Code Name							
		DF	Department of Defense (DoD)				

LQ Industry Code

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

User Option (Usage): Must use**Purpose:** Code to transmit standard industry codes**Syntax Rules:**

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

Federal Note:

Use to identify codes 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>	<u>Rep</u>
LQ01	1270	Code List Qualifier Code	O	ID	1/3	Must use	1

Description: Code identifying a specific industry code list

Federal Note: *Use any code.*

DLMS Note: *1. Use codes 33, 34, 35, and 69 only in 2/HL/010 shipment loops.*

2. Use codes 0, 71, 78, 95, A4, A5, A6, A9, BD, and DF only in 2/HL/010 line item loops.

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

Code Name

- 0 Document Identification Code
- 33 Air Commodity and Special Handling Code

DLMS Note:

Use for air shipments to identify material manifesting, customs, and special handling or reporting requirements.

- 34 Water Commodity and Special Handling Code

DLMS Note:

Use for water shipments to identify the predominant commodity within the shipment unit for ocean manifesting.

- 35 Air Dimension Code

DLMS Note:

Use for air shipments.

- 40 Type Pack Code

DLMS Note:

Use the DOD code to describe the type of pack for the shipment unit. Refer to the Table Management Distribution System (TDMS) available at URL: https://www-tmds.c2.amc.af.mil/TMDS/USTRNCOM_index.xsql for applicable code list. (ADC 309 includes an abbreviated listing to facilitate implementation within DoD supply systems.)

- 69 Foreign Military Sales Country Code

DLMS Note:

Use to identify the FMS country.

- 71 Service and Agency Code

DLMS Note:

Must use in FMS transactions to identify the customer country's requisitioning Service code: B, D, K, P, or T.

- 78 Project Code

Code	Name
	DLMS Note: <i>Use to identify the special programs, exercises, project, operation, and other purposes.</i>
95	Offer and Release Option Code
	DLMS Note: <i>Use to identify the offer and release option code.</i>
A4	Case Designator Number
	DLMS Note: <i>Must use in FMS transactions to identify the FMS case number. For Cooperative Logistics Supply Support Agreements (CLSSAs), repeat up to two times to identify the Foreign Military Sales Order (FMSO) I and FMSO II case numbers. In this instance, the first occurrence will cite the FMSO I case number, and a second occurrence, if applicable, will reflect the FMSO II case number.</i>
A5	Subcase Number
	DLMS Note: <i>Use in FMS transactions based on Service requirements.</i>
A6	Freight Forwarder Number
	DLMS Note: <i>Use to identify the CR/FF to receive shipments and documentation.</i>
A9	Supplemental Data
	DLMS Note: <ol style="list-style-type: none">1. Use to identify supplemental address/data.2. Future streamlined data; see introductory DLMS note 4c.
AJ	Utilization Code
	DLMS Note: <ol style="list-style-type: none">1. Under DLSS, this is the first position of the document serial number.2. DLMS enhancement; see introductory DLMS note 4a.
AL	Special Requirements Code
	Federal Note: <i>Use to identify the precedence, special handling, and processing requirements.</i>
	DLMS Note: <ol style="list-style-type: none">1. Under DLSS, this is carried in the required delivery date field.2. DLMS enhancement; see introductory DLMS note 4a.
BD	Transportation Priority Code
	DLMS Note: <i>Use to identify the transportation priority.</i>
DF	Media and Status Code
COG	Cognizance Symbol
	DLMS Note: <i>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.</i>
IMC	Item Management Code
	DLMS Note: <i>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.</i>
MCC	Material Control Code
	DLMS Note: <i>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.</i>
SMI	Special Material Identification Code
	DLMS Note:

Code Name

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.

LQ02	1271	Industry Code	X	AN	1/30	Must use	1
------	------	----------------------	---	----	------	----------	---

Description: Code indicating a code from a specific industry code list

SE Transaction Set Trailer

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

User Option (Usage): Must use

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)

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>	<u>Rep</u>
SE01	96	Number of Included Segments	M	N0	1/10	Must use	1
		Description: Total number of segments included in a transaction set including ST and SE segments					
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use	1
		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>					