

# 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.

### 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 Standards (DLMS) must reference DoD/ASC X12 Conversion Guides for Unit of Materiel Measure, Type of Pack and Transportation Method/Type Code, which can be found on the Enterprise Business Standards Office (EBSO) Website at [www.dla.mil/does/DLMS](http://www.dla.mil/does/DLMS).
4. This DLMS Implementation Convention 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 EBSO 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 EBSO prior to use.
  - c. Legacy MILSTRIP data which must be retained in the DLMS for a transition period to support transaction conversion in a mixed legacy MILSTRIP/DLMS environment. This data will be streamlined out once full DLMS implementation is reached. Components may coordinate with EBSO 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 legacy MILSTRIP capability which may not be supported by the recipient's automated processing system. Components must coordinate implementation with EBSO prior to use.
  - e. Data associated with a DLMS enhancement authorized for implementation by modernized systems under DLMS migration. This data (including expanded field sizes) should be adopted during, or subsequent, to modernization when applicable to the Component's business process. Prior coordination is not required. Components should ensure that inclusion of this data in a DLMS transaction does not cause inappropriate rejection of the transaction.
5. This revision to the DLMS IC incorporates Proposed DLMS Changes (PDCs) and Approved DLMS Changes (ADCs) listed. PDCs and ADCs are available from the EBSO Web site: <http://www.dla.mil/HQ/InformationOperations/DLMS/eLibrary/Changes/processchanges/>
  - ADC 309, NOA and NOA Reply Transaction Data Content/Mapping including Addition of Type Pack Code for 463L Pallets
  - ADC 1043, DLMS Revisions for Department of Defense (DOD) Standard Line of Accounting (SLOA)/Accounting Classification
  - ADC 1043C, Administrative Corrections for SLOA Data in the 810L Logistics Bill and other DLMS ICs
  - ADC 1075, Implementation of Geopolitical Entities, Names, and Codes (GENC) Standard by DoD Components for the Identification of Countries and their Subdivisions
  - Organizational Name and Other Non-Substantive (Administrative) Updates Completed on June 04, 2014.
  - ADC 1098, Updates to DD Form 1348-5 Notice of Availability (NOA) and Corresponding DLMS 856N NOA and 870N NOA Reply
  - ADC 1136, Revise Unique Item Tracking (UIT) Procedures to support DODM 4140.01 UIT Policy and Clarify Requirements (Supply)
  - Administrative Update to Reflect Realignment to Recognize DLMS Program Office Completed on January 12, 2017
  - ADC 1287, DLMS Implementation Convention (IC) Revisions for Data Element Mapping (Form Stock Number and Manufacturer's Part Number), Removal of Plant Equipment Number, and Administrative Updates
  - Administrative Update to Reflect Realignment of DLMS Program Office to Enterprise Business Standards Office (EBSO) - Completed on January 22, 2019
  - ADC 1353, Transportation Method and Transportation Mode Codes on all DLMS ICs
  - ADC 1367, Administrative Update to Convert Federal Notes to DLMS Notes within DLMS Implementation Conventions
  - ADC 1370, Administrative Update to Change Data Element N106 Usage from Must Use to Used

### 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>
0100	ST	Transaction Set Header	M	1			Must use
0200	BSN	Beginning Segment for Ship Notice	M	1			Must use
* 0400	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>
<b>LOOP ID - HL</b>					<b>200000</b>	<b>C2/0100L</b>	
0100	HL	Hierarchical Level	M	1		C2/0100	Must use
0200	LIN	Item Identification	O	1			Used
0300	SN1	Item Detail (Shipment)	O	1			Used
* 0400	SLN	Subline Item Detail	O	1000			Not Used
* 0500	PRF	Purchase Order Reference	O	1			Not Used
* 0600	PO4	Item Physical Details	O	1			Not Used
* 0700	PID	Product/Item Description	O	200			Not Used
0800	MEA	Measurements	O	40			Used
* 0900	PWK	Paperwork	O	25			Not Used
* 1000	PKG	Marking, Packaging, Loading	O	25			Not Used
1100	TD1	Carrier Details (Quantity and Weight)	O	20			Used
1200	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
<b>* LOOP ID - TD3</b>					<b>12</b>		
1300	TD3	Carrier Details (Equipment)	O	1			Used
1350	AT9	Trailer or Container Dimension and Weight	O	1			Used
* 1400	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5			Not Used
* 1450	TSD	Trailer Shipment Details	O	1			Not Used
1500	REF	Reference Identification	O	>1			Used
* 1510	PER	Administrative Communications Contact	O	3			Not Used
<b>LOOP ID - LH1</b>					<b>100</b>		
1520	LH1	Hazardous Identification Information	O	1			Used
1530	LH2	Hazardous Classification Information	O	4			Used
1540	LH3	Hazardous Material Shipping Name	O	12			Used
* 1550	LFH	Freeform Hazardous Material Information	O	20			Not Used
* 1560	LEP	EPA Required Data	O	>1			Not Used
* 1570	LH4	Canadian Dangerous Requirements	O	1			Not Used
* 1580	LHT	Transborder Hazardous Requirements	O	3			Not Used
1590	LHR	Hazardous Material Identifying Reference Numbers	O	10			Used
* 1600	PER	Administrative Communications Contact	O	5			Not Used
* 1610	LHE	Empty Equipment Hazardous Material Information	O	1			Not Used
<b>* LOOP ID - CLD</b>					<b>200</b>		
* 1700	CLD	Load Detail	O	1			Not Used
* 1800	REF	Reference Identification	O	200			Not Used
* 1850	DTP	Date or Time or Period	O	1			Not Used
* 1900	MAN	Marks and Numbers	O	>1			Not Used
2000	DTM	Date/Time Reference	O	10			Used
* 2100	FOB	F.O.B. Related Instructions	O	1			Not Used
* 2150	PAL	Pallet Information	O	1			Not Used
<b>LOOP ID - N1</b>					<b>200</b>		
2200	N1	Name	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>
* 2300	N2	Additional Name Information	O	2			Not Used
* 2400	N3	Address Information	O	2			Not Used
* 2500	N4	Geographic Location	O	1			Not Used
* 2600	REF	Reference Identification	O	12			Not Used
2700	PER	Administrative Communications Contact	O	3			Used
* 2800	FOB	F.O.B. Related Instructions	O	1			Not Used
* 2900	SDQ	Destination Quantity	O	50			Not Used
* 3000	ETD	Excess Transportation Detail	O	1			Not Used
* 3100	CUR	Currency	O	1			Not Used
<b><u>LOOP ID - SAC</u></b>					<b><u>≥1</u></b>		
3200	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
* 3250	CUR	Currency	O	1			Not Used
* 3300	GF	Furnished Goods and Services	O	1			Not Used
3350	YNQ	Yes/No Question	O	10			Used
<b><u>LOOP ID - LM</u></b>					<b><u>10</u></b>		
3400	LM	Code Source Information	O	1			Used
3500	LQ	Industry Code	M	100			Must use
<b>* <u>LOOP ID - V1</u></b>					<b><u>≥1</u></b>		
* 3600	V1	Vessel Identification	O	1			Not Used
* 3700	R4	Port or Terminal	O	>1			Not Used
* 3800	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>
* 0100	CTT	Transaction Totals	O	1		N3/0100	Not Used
0200	SE	Transaction Set Trailer	M	1			Must use

**Notes:**

3/0100 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:**

2/0100L The HL segment is the only mandatory segment within the HL loop, and by itself, the HL segment has no meaning.

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# ST Transaction Set Header

<b>Pos: 0100</b>	<b>Max: 1</b>
<b>Heading - Mandatory</b>	
<b>Loop: N/A</b>	<b>Elements: 3</b>

**User Option (Usage):** Must use

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

## Semantics:

1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition.

## 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	<b>Transaction Set Identifier Code</b>	M	ID	3/3	Must use	1
		<b>Description:</b> Code uniquely identifying a Transaction Set					
		<b>Code Name</b>					
		856 Ship Notice/Manifest					
ST02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use	1
		<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set					
		<b>DLMS Note:</b> <i>A unique number assigned by the originator of the transaction set, or the originator's application program.</i>					
ST03	1705	<b>Implementation Convention Reference</b>	O	AN	1/35	Used	1
		<b>Description:</b> Reference assigned to identify Implementation Convention					
		<b>DLMS Note:</b> <i>Use to indicate this transmission uses the DLMS IC 856N. Enter the DLMS IC (e.g.,004030F856N0NA00).</i>					

# BSN Beginning Segment for Ship Notice

Pos: 0200	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	<b>Transaction Set Purpose Code</b>	M	ID	2/2	Must use	1
		<b>Description:</b> Code identifying purpose of transaction set					
		<b>Code</b>	<b>Name</b>				
		00	Original				
		77	Simulation Exercise				
		<b>DLMS Note:</b>					
		<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	<b>Shipment Identification</b>	M	AN	2/30	Must use	1
		<b>Description:</b> A unique control number assigned by the original shipper to identify a specific shipment					
		<b>DLMS Note:</b> Use Code "ZZ" for this data element to satisfy mandatory X12 syntax requirements.					
BSN03	373	<b>Date</b>	M	DT	8/8	Must use	1
		<b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year					
		<b>DLMS Note:</b> This date corresponds to the Universal Time Coordinate (UTC).					
BSN04	337	<b>Time</b>	M	TM	4/8	Must use	1
		<b>Description:</b> 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)					
		<b>DLMS Note:</b> 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>
		2. Express time in a four-position (HHMM) format.					
BSN06	640	<b>Transaction Type Code</b>	X	ID	2/2	Must use	1
		<b>Description:</b> Code specifying the type of transaction					
		<b>Code Name</b>					
		AD Notice of Availability					
BSN07	641	<b>Status Reason Code</b>	O	ID	3/3	Must use	1
		<b>Description:</b> Code indicating the status reason					
		<b>DLMS Note:</b> Use to identify the type of NOA.					
		<b>Code Name</b>					
		D50 Delayed					
		<b>DLMS Note:</b>					
		Use to indicate that all referenced shipments are delayed.					
		ENR Export Release Not Required					
		<b>DLMS Note:</b>					
		Use to indicate that export release is not required for all referenced shipments.					
		ERR Export Release Required					
		<b>DLMS Note:</b>					
		Use to indicate that export release is required for all referenced shipments.					

# HL Hierarchical Level

<b>Pos: 0100</b>	<b>Max: 1</b>
<b>Detail - Mandatory</b>	
<b>Loop: HL</b>	<b>Elements: 3</b>

**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.

**DLMS 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/0100 loop iteration to provide transaction set address information.
3. Use the second 2/HL/0100 shipment loop iteration to identify shipment information associated with the transportation control number (TCN) assigned to control the shipment.
4. Use a single or multiple 2/HL/0100 line item loop iterations to identify the line item detail associated with each 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	<b>Hierarchical ID Number</b>	M	AN	1/12	Must use	1
		<p><b>Description:</b> A unique number assigned by the sender to identify a particular data segment in a hierarchical structure</p> <p><b>DLMS Note:</b> <i>In the first 2/HL/0100 loop iteration, cite numeric 1. In each subsequent loop iteration, increase incrementally by 1.</i></p>					
HL02	734	<b>Hierarchical Parent ID Number</b>	O	AN	1/12	Used	1
		<p><b>Description:</b> Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to</p> <p><b>DLMS Note:</b> <i>1. Use for each 2/HL/0100 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/0100 shipment loop iteration and serves as the cross-reference between the shipment and all line items contained in the shipment.</i></p>					
HL03	735	<b>Hierarchical Level Code</b>	M	ID	1/2	Must use	1
		<p><b>Description:</b> Code defining the characteristic of a level in a hierarchical structure</p>					

**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: 0200

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.

## DLMS Note:

*Must use only in 2/HL/0100 line item loops to identify the materiel 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)

**DLMS Note:** 1. Use only one of codes A2, A4, FB, FS, FT, MG, or YP to identify the materiel shipped. Must use National Stock Number (NSN) when known.

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

### Code Name

A2 Department of Defense Identification Code (DoDIC)

#### **DLMS Note:**

*Use to identify ammunition items.*

A4 Subsistence Identification Number

#### **DLMS Note:**

*Use to identify subsistence items.*

F4 Series Identifier

#### **DLMS Note:**

**Code Name**

*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 materiel when a part number is not available and materiel requisitioned was identified by description (e.g., non-NSN lumber products).*

MG Manufacturer's Part Number

**DLMS Note:**

*Use to identify nonstandard materiel.*

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	<b>Product/Service ID</b>	M	AN	1/48	Must use	1
		<b>Description:</b> Identifying number for a product or service					

LIN04	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used	1
		<b>Description:</b> 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 materiel 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	<b>Product/Service ID</b>	X	AN	1/48	Used	1
		<b>Description:</b> Identifying number for a product or service					

# SN1 Item Detail (Shipment)

<b>Pos:</b> 0300	<b>Max:</b> 1
<b>Detail - Optional</b>	
<b>Loop:</b> HL	<b>Elements:</b> 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.

## DLMS Note:

*Must use only in 2/HL/0100 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	<b>Number of Units Shipped</b>	M	R	1/10	Must use	1
		<b>Description:</b> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set					
		<b>DLMS Note:</b> 1. Use to identify the quantity associated with the individual transaction.					
		2. Express as a whole number with no decimals.					
SN103	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Must use	1
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
		<b>DLMS Note:</b> 1. Use to identify the unit of issue for the materiel.					
		2. DLMS users see the Unit of Issue and Purchase Unit Conversion Table.					

# MEA Measurements

<b>Pos: 0800</b>	<b>Max: 40</b>
<b>Detail - Optional</b>	
<b>Loop: HL</b>	<b>Elements: 4</b>

**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.

## DLMS Note:

1. Use only in 2/HL/0100 shipment loops. Use two repetitions to identify shipment, weight and cube.
2. If the shipment is over-dimensional, use three additional repetitions to identify the physical dimensions (height, length and width) of the shipment.
3. If the shipment is explosive, use an additional repetition to identify the Net Explosive Weight in pounds.
4. Use of the MEA segment to identify dimensions for over-dimensional shipments and Net Explosive Weight are an authorized DLMS enhancement; see DLMS Introductory Note 4e. Refer to ADC 1098.

## 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>
MEA01	737	Measurement Reference ID Code	O	ID	2/2	Used	1

**Description:** Code identifying the broad category to which a measurement applies

### Code Name

NX Net Explosive Weight

#### **DLMS Note:**

*For explosive shipments, use to identify the Net Explosive Weight in the MEA03 and MEA04-01 Code LB.*

PD Physical Dimensions

#### **DLMS Note:**

*For over-dimensional shipments, use to identify the physical dimensions (height, length, and width) of the shipment in the MEA02, MEA03, and MEA04-01 Code IN.*

MEA02	738	Measurement Qualifier	O	ID	1/3	Used	1
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**Description:** Code identifying a specific product or process characteristic to which a measurement applies

### Code Name

A Consolidated Weight

#### **DLMS Note:**

*Use with code LB in MEA04-01, to identify the shipment weight in pounds.*

HT Height

**Code Name****DLMS Note:**

*Use to identify the height in inches of an over-dimensional shipment.*

LN Length

**DLMS Note:**

*Use to identify the length in inches of an over-dimensional shipment.*

WD Width

**DLMS Note:**

*Use to identify the width in inches of an over-dimensional shipment.*

UCB Cube

**DLMS Note:**

*Use with code CF in MEA04-01 to identify the shipment cubic size (volume) expressed as cubic feet.*

MEA03	739	<b>Measurement Value</b>	X	R	1/20	Must use	1
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**Description:** The value of the measurement

**DLMS Note:** *Use to identify the actual number of pounds, inches, or cubic feet, associated with the shipment based on the coding in MEA02 and MEA04-01.*

MEA04	C001	<b>Composite Unit of Measure</b>	X	Comp		Must use	1
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**Description:** To identify a composite unit of measure(See Figures Appendix for examples of use)

**Comments:**

1. If C001-02 is not used, its value is to be interpreted as 1.
2. If C001-03 is not used, its value is to be interpreted as 1.
3. If C001-05 is not used, its value is to be interpreted as 1.
4. If C001-06 is not used, its value is to be interpreted as 1.
5. If C001-08 is not used, its value is to be interpreted as 1.
6. If C001-09 is not used, its value is to be interpreted as 1.
7. If C001-11 is not used, its value is to be interpreted as 1.
8. If C001-12 is not used, its value is to be interpreted as 1.
9. If C001-14 is not used, its value is to be interpreted as 1.
10. If C001-15 is not used, its value is to be interpreted as 1.

MEA04-01	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Must use	1
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**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

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

**Code Name**

CF Cubic Feet

**DLMS Note:**

*Use with code UCB in MEA02 to indicate that the shipment cube is expressed as cubic feet.*

IN Inch

**Code Name**

**DLMS Note:**  
*Use with MEA01 Code PD and MEA02 Codes HT, LN, and WD.*

LB Pound

**DLMS Note:**  
*1. Use with code A in MEA02 to indicate that the shipment weight is expressed as pounds.*  
*2. Use with code NX in MEA01 to indicate that the shipment net explosive weight is expressed in pounds.*

# TD1 Carrier Details (Quantity and Weight)

Pos: 1100	Max: 20
Detail - Optional	
Loop: HL	Elements: 2

**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.

**DLMS Note:***Use only in 2/HL/0100 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	<b>Lading Quantity</b>	X	N0	1/7	Must use	1
		<b>Description:</b> Number of units (pieces) of the lading commodity					
		<b>DLMS Note:</b> <i>Use to identify the number of physical units (pieces) in the shipment.</i>					
TD105	79	<b>Lading Description</b>	O	AN	1/50	Used	1
		<b>Description:</b> Description of an item as required for rating and billing purposes					
		<b>DLMS Note:</b> <i>Use to identify the freight nomenclature. Authorized DLMS enhancement; see DLMS Introductory Note 4e. Refer to ADC 1098.</i>					

# TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 1200	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.

## DLMS Note:

*Use only in 2/HL/0100 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

**DLMS Note:** 1. Use to identify the mode of shipment code.

2. DLMS users see the Transportation Method/Type Code Conversion Guide for available codes.



# REF Reference Identification

Pos: 1500	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:

Use in 2/HL/0100 shipment loops to indicate the number of line items included in the shipment and the Transportation Control Number identification number controlling 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>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use	1

**Description:** Code qualifying the Reference Identification

**DLMS Note:** 1. Use only one of codes BT or LT as needed, to identify batch numbers or lot numbers assigned to the materiel.

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/0100 shipment loops to identify the NOA Notice Number, which reflects the number of times the NOA has been sent to the Freight Forwarder/Country Representative. Second and subsequent transmissions may be interpreted as follow-ups. Authorized DLMS enhancement; see DLMS Introductory Note 4e. Refer to ADC 1098.

LO Load Planning Number

#### **DLMS Note:**

Use in 2/HL/0100 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.

TG Transportation Control Number (TCN)

#### **DLMS Note:**

Must use only in 2/HL/0100 shipment loops to identify the number assigned to control the shipment between the shipper and consignee.

TN Transaction Reference Number

#### **DLMS Note:**

Must use in every 2/HL/0100 line item loop to identify the customer assigned transaction number for the requisition associated with the shipment unit.

REF02	127	Reference Identification	X	AN	1/50	Must use	1
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**Description:** Reference information as defined for a particular Transaction Set or

<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>
		as specified by the Reference Identification Qualifier					
REF04	C040	<b>Reference Identifier</b>	O	Comp		Used	1
		<b>Description:</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier					
		<b>Syntax:</b>					
		1. P0304 - If either C04003 or C04004 is present, then the other is required.					
		2. P0506 - If either C04005 or C04006 is present, then the other is required.					
REF04-01	128	<b>Reference Identification Qualifier</b>	M	ID	2/3	Must use	1
		<b>Description:</b> Code qualifying the Reference Identification					
		<b>Code Name</b>					
		W8 Suffix					
		<b>DLMS Note:</b>					
		<i>Use with REF01 code TN to identify the transaction number suffix.</i>					
REF04-02	127	<b>Reference Identification</b>	M	AN	1/50	Must use	1
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier					

# LH1 Hazardous Identification Information

Pos: 1520	Max: 1
Detail - Optional	
Loop: LH1	Elements: 4

**User Option (Usage):** Used**Purpose:** To specify the hazardous commodity identification reference number and quantity**Comments:**

1. LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.
2. LH106 and LH107 are used to convey the quantity or volume and unit of measure for nonbulk shipments only.
3. In LH109, a value of "R" or "P" requires that the receiver generate the words "residue: last contained" prior to the shipping name in accordance with regulations.

**DLMS Note:**

Use only in 2/HL/0100 shipment loops for hazardous/explosive shipments. Use the LH1 loop to identify the hazardous characteristics of the shipment. Repeat the LH1 loop as required identifying the hazardous characteristics associated with the quantity of pieces of the lading commodity. Authorized DLMS enhancement; see DLMS Introductory Note 4e. Refer to ADC 1098.

**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>
LH101	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Must use	1
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken					
		<b>DLMS Note:</b> 1. Use to identify the type of packaging related to the quantity in the LH102.					
		2. DLMS users see the Unit of Issue and Purchase Unit Conversion Table.					
LH102	80	<b>Lading Quantity</b>	M	N0	1/7	Must use	1
		<b>Description:</b> Number of units (pieces) of the lading commodity					
		<b>DLMS Note:</b> Use to identify the number of pieces of the lading commodity that is hazardous in the shipment.					
LH103	277	<b>UN/NA Identification Code</b>	O	ID	6/6	Used	1
		<b>Description:</b> Code identifying the hazardous material identification number as required by Title 49 of the code of Federal Regulations; UN/NA stands for United Nations/North America					
		<b>DLMS Note:</b> Use to identify the United Nations/North America hazardous material identification number as required by 49 CFR.					
LH110	254	<b>Packing Group Code</b>	O	ID	1/3	Used	1
		<b>Description:</b> Code indicating degree of danger in terms of Roman number I, II or III					
		<b>DLMS Note:</b> Indicate the required packing group using Roman Numeral I, II, or III to indicate the degree of danger. Source is 49 CFR Table 172.101.					

# LH2 Hazardous Classification Information

Pos: 1530	Max: 4
Detail - Optional	
Loop: LH1	Elements: 1

**User Option (Usage):** Used

**Purpose:** To specify the hazardous notation and endorsement information

## Syntax Rules:

1. P0607 - If either LH206 or LH207 is present, then the other is required.
2. P0809 - If either LH208 or LH209 is present, then the other is required.
3. P1011 - If either LH210 or LH211 is present, then the other is required.
4. P1213 - If either LH212 or LH213 is present, then the other is required.

## Semantics:

1. LH206 and LH207 indicate the flashpoint temperature.
2. LH208 and LH209 indicate the control temperature.
3. LH210 and LH211 indicate the emergency temperature.
4. LH212 and LH213 indicate the net explosive weight.

## DLMS Note:

*Authorized DLMS enhancement; see DLMS Introductory Note 4e. Refer to ADC 1098.*

## 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>
LH201	215	Hazardous Classification	O	ID	1/30	Used	1

**Description:** The hazardous classification corresponding to the shipping name of the hazardous commodity

**DLMS Note:** Use to identify the primary hazard class or division for the hazardous material as shown in column 3 of 49 CFR Table 172.101. If there is no hazard class or division, use the code in that column, such as ORM-D (Other Regulated Material), reference 49 CFR 173.2.

# LH3 Hazardous Material Shipping Name

Pos: 1540	Max: 12
Detail - Optional	
Loop: LH1	Elements: 2

**User Option (Usage):** Used**Purpose:** To specify the hazardous material shipping name and additional descriptive requirements**Syntax Rules:**

1. P0102 - If either LH301 or LH302 is present, then the other is required.

**Semantics:**

1. If LH304 is "Y", then this is an Association of American Railroads Operations and Transportation Bulletin 55 commodity. If "N", it is not an Association of American Railroads Operations and Transportation Bulletin 55 commodity.

**DLMS Note:**

1. Mandatory for all hazardous material shipments, including ammunition and explosives.
2. Create additional LH3 segment(s) for the remainder of the Proper Shipping Name exceeding 25 characters in the LH301.
3. Authorized DLMS enhancement; see DLMS Introductory Note 4e. Refer to ADC 1098.

**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>
LH301	224	<b>Hazardous Material Shipping Name</b>	X	AN	1/25	Used	1
		<b>Description:</b> The proper shipping name of the hazardous commodity as specified by Title 49 Code of Federal Regulations, or the shipping name of the dangerous good as defined in the Canadian Transportation of Dangerous Goods Act and Regulations, or the international regulations as promulgated by the United Nations					
		<b>DLMS Note:</b> Use to identify the Proper Shipping Name.					
LH302	984	<b>Hazardous Material Shipping Name Qualifier</b>	X	ID	1/1	Used	1
		<b>Description:</b> Qualifier indicating the source (regulatory) of the proper shipping name					
		<b>DLMS Note:</b> Use one of the following codes to describe the Proper Shipping Name.					
		<b>Code Name</b>					
		C Canadian Shipping Name					
		D Domestic (United States) Shipping Name					
		I International Shipping Name					

# LHR Hazardous Material Identifying Reference Numbers

Pos: 1590	Max: 10
Detail - Optional	
Loop: LH1	Elements: 2

**User Option (Usage):** Used

**Purpose:** To transmit specific hazardous material reference numbers

## DLMS Note:

1. Use this segment to identify applicable transportation approval authorities for hazardous/explosives shipments.
2. Use this segment to identify the DODIC for ammunition/explosive shipments.
3. Authorized DLMS enhancement; see DLMS Introductory Note 4e. Refer to ADC 1098.

## 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>
LHR01	128	Reference Identification Qualifier	M	ID	2/3	Must use	1

**Description:** Code qualifying the Reference Identification

### Code Name

1I Department of Defense Identification Code (DoDIC)

#### **DLMS Note:**

*Use to identify the DODIC of the ammunition or explosive.*

HA Competent Authority

#### **DLMS Note:**

1. Use to identify the Competent Authority Approval Number (CAA) issued by the Department of Transportation.
2. The approval number format is CA-YYNNNNA, where YY=last two positions of year, N=approval number within that year, and A=optional alphanumeric designator.
3. This is only applicable when DoD requires an exception to the international performance oriented packaging rules.

HE Hazardous Exemption Number

#### **DLMS Note:**

1. Use to identify the Department of Transportation Exemption (DOT-E) Number.
2. This identifies the DOT-E exemption to any of the 49 CFR regulations for hazardous materials.
3. Normally used for domestic shipments. Can be used for international shipments, but is not guaranteed to be accepted by international customs.

HN Hazardous Certification Number

#### **DLMS Note:**

1. Use to identify the Certification of Equivalency (COE).
2. This identifies the DoD approval when packaging design differs from the prescribed regulations in 49 CFR. It certifies that the proposed packaging design equals or exceeds the comparable requirements of 49 CFR for the commodity being shipped.

LHR02	127	Reference Identification	M	AN	1/50	Must use	1
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**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

# DTM Date/Time Reference

Pos: 2000	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.

**DLMS Note:**

*Use in 2/HL/0100 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/0100 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
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**Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

# N1 Name

<b>Pos: 2200</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**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.

**DLMS Note:**

1. Use the 2/N1/2200 loop in the 2/HL/010 address loop to identify the organization originating the transaction set and the organization to receive the transaction set.

2. Use additional repetitions of the 2/N1/2200 loop to identify the consignor, ship-to, and mark-for activities. Authorized DLMS enhancement; see DLMS Introductory Note 4e. Refer to ADC 1098.

**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	<b>Entity Identifier Code</b>	M	ID	2/3	Must use	1

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

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

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

**Code Name**

CI Consignor

**DLMS Note:**

1. Use as needed to identify the shipping activity.
2. In the PER segment, provide the consignor contact information.

CY Country

**DLMS Note:**

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

IF International Freight Forwarder

**DLMS Note:**

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

ST Ship To

**DLMS Note:**

Use to identify the Ship-To MAPAC. Authorized DLMS enhancement; see DLMS Introductory Note 4e. Refer to ADC 1098.

X6 International Organization

**DLMS Note:**

Use to identify the International Logistics Control Office (ILCO) serving as the SC Implementing Agency for the shipment. The ILCO is identified by the SC Implementing Agency Code in the first position of the document number; authorized values are restricted to those identified in DLM 4000.25, Volume 2 Appendix 7.2. Authorized DLMS enhancement; see DLMS Introductory Note 4e. Refer to ADC 1098.

Z7 Mark-for Party



**Code Name****DLMS Note:**

*Use to identify the Mark for MAPAC. Authorized DLMS enhancement; see DLMS Introductory Note 4e. Refer to ADC 1098.*

N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Must use	1
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**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 Security Assistance structured address data that identifies the CR/FF to receive the NOA, the Ship To, and the Mark For. Interpretation of this data may require additional codes cited elsewhere in the transaction.*

LC Agency Location Code (U.S. Government)

**DLMS Note:**

*Use to identify the International Logistics Control Office (ILCO) SC Implementing Agency Code. Authorized values are restricted to those identified in DLM 4000.25, Volume 2 Appendix 7.2. Authorized DLMS enhancement; see DLMS Introductory Note 4e. Refer to ADC 1098.*

M4 Department of Defense Routing Identifier Code (RIC)

N104	67	<b>Identification Code</b>	X	AN	2/80	Used	1
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**Description:** Code identifying a party or other code

N106	98	<b>Entity Identifier Code</b>	O	ID	2/3	Used	1
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**Description:** Code identifying an organizational entity, a physical location, property or an individual

**Code Name**

FR Message From

**DLMS Note:**

*Must use with 2/N101/2200 code CI to indicate that the organization cited in N104 is originating the transaction set.*

PK Party to Receive Copy

**DLMS Note:**

*Use with 2/N101/2200 Code X6 when the organization cited in N104 is receiving an information copy of the transaction set.*

TO Message To

**DLMS Note:**

*Use with 2/N101/2200 codes CY, IF, and X6 as applicable when the organization cited in N104 is receiving the transaction set.*

# PER Administrative Communications Contact

Pos: 2700	Max: 3
Detail - Optional	
Loop: N1	Elements: 8

**User Option (Usage):** Used

**Purpose:** To identify a person or office to whom administrative communications should be directed

## Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

## DLMS Note:

Use to provide point of contact information. Use only in the N1 loop identifying the consignor. Authorized DLMS enhancement; see DLMS Introductory Note 4e. Refer to ADC 1098.

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
PER01	366	Contact Function Code	M	ID	2/2	Must use	1
		<b>Description:</b> Code identifying the major duty or responsibility of the person or group named					
		<b>Code Name</b>					
		IC		Information Contact			
		<b>DLMS Note:</b>					
		Use to identify the point of contact.					
PER02	93	Name	O	AN	1/60	Used	1
		<b>Description:</b> Free-form name					
		<b>DLMS Note:</b> Use to provide the full name of the point of contact.					
PER03	365	Communication Number Qualifier	X	ID	2/2	Used	1
		<b>Description:</b> Code identifying the type of communication number					
		<b>Code Name</b>					
		TE		Telephone			
		<b>DLMS Note:</b>					
		Use to identify the commercial phone number.					
PER04	364	Communication Number	X	AN	1/256	Used	1
		<b>Description:</b> Complete communications number including country or area code when applicable					
PER05	365	Communication Number Qualifier	X	ID	2/2	Used	1
		<b>Description:</b> Code identifying the type of communication number					
		<b>Code Name</b>					
		EM		Electronic Mail			
PER06	364	Communication Number	X	AN	1/256	Used	1
		<b>Description:</b> Complete communications number including country or area code when applicable					

<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>
PER07	365	<b>Communication Number Qualifier</b>	X	ID	2/2	Used	1

**Description:** Code identifying the type of communication number

**Code Name**

FX Facsimile

**DLMS Note:**

*Use to identify the commercial fax number.*

PER08	364	<b>Communication Number</b>	X	AN	1/256	Used	1
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**Description:** Complete communications number including country or area code when applicable

# SAC Service, Promotion, Allowance, or Charge Information

Pos: 3200	Max: 1
Detail - Optional	
Loop: SAC	Elements: 3

**User Option (Usage):** Used

**Purpose:** To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

## Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. C1615 - If SAC16 is present, then SAC15 is required.

## Semantics:

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

## Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction with SAC03 to further define SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

## DLMS Note:

Use the SAC loop in the 2/HL/0100 shipment loop. Authorized DLMS enhancement; see DLMS Introductory Note 4e. Refer to ADC 1098.

## 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>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use	1
		<b>Description:</b> Code which indicates an allowance or charge for the service specified					
		<b>Code Name</b>					
		C Charge					
		<b>DLMS Note:</b>					
		Use for X12 syntax compliance.					
SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Used	1
		<b>Description:</b> Code identifying the service, promotion, allowance, or charge					

**Code Name**

C675 Entered Value

**DLMS Note:**

*Use to identify the total shipment value.*

SAC05	610	<b>Amount</b>	O	N2	1/15	Used	1
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**Description:** Monetary amount

**DLMS Note:** *Enter total shipment value in US Dollars and Cents.*

# YNQ Yes/No Question

<b>Pos: 3350</b>	<b>Max: 10</b>
<b>Detail - Optional</b>	
<b>Loop: HL</b>	<b>Elements: 2</b>

**User Option (Usage):** Used**Purpose:** To identify and answer yes and no questions, including the date, time, and comments further qualifying the condition**Syntax Rules:**

1. E010910 - Only one of YNQ01, YNQ09 or YNQ10 may be present.
2. P0304 - If either YNQ03 or YNQ04 is present, then the other is required.
3. C0908 - If YNQ09 is present, then YNQ08 is required.

**Semantics:**

1. YNQ02 confirms or denies the statement made in YNQ01, YNQ09 or YNQ10. A "Y" indicates the statement is confirmed; an "N" indicates the statement is denied.
2. YNQ10 contains a free-form question when codified questions are not available.

**DLMS Note:**

*Use in 2/HL/0100 shipment loop to indicate if the shipment contains hazardous materials or explosives. Authorized DLMS enhancement; see DLMS Introductory Note 4e. Refer to ADC 1098.*

**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>
YNQ01	1321	Condition Indicator	X	ID	2/2	Used	1

**Description:** Code indicating a condition**Code Name**

C8 Special Servicing Required

**DLMS Note:***Use to indicate if the shipment contains explosives.*

QQ Item is a Hazardous Item

**DLMS Note:***Use to indicate if the shipment contains hazardous materials.*

YNQ02	1073	Yes/No Condition or Response Code	M	ID	1/1	Must use	1
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**Description:** Code indicating a Yes or No condition or response**DLMS Note:** *Use one of the following codes in response to the YNQ01.***Code Name**

N No

Y Yes

# LM Code Source Information

<b>Pos: 3400</b>	<b>Max: 1</b>
<b>Detail - Optional</b>	
<b>Loop: LM</b>	<b>Elements: 1</b>

**User Option (Usage):** Used

**Purpose:** To transmit standard code list identification information

## Comments:

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

## DLMS Note:

*Must use this 2/LM/3400 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	<b>Agency Qualifier Code</b>	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

<b>Pos: 3500</b>	<b>Max: 100</b>
<b>Detail - Mandatory</b>	
<b>Loop: LM</b>	<b>Elements: 2</b>

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

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

**DLMS 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

**DLMS Note:** 1. Use codes 33, 34, 35, 40, A3, and NT only in 2/HL/0100 shipment loops.

2. Use codes 0, 71, 78, 85, 95, A4, A5, A6, A9, AJ, BD, DF, EQ, COG, IMC, MCC, and SMI only in 2/HL/0100 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 materiel 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-tmids.c2.amc.af.mil/TMDS/USTRNSCOM\\_index.xsql](https://www-tmids.c2.amc.af.mil/TMDS/USTRNSCOM_index.xsql) for applicable code list. (ADC 309 includes an abbreviated listing to facilitate implementation within DoD supply systems.)*

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

**DLMS Note:**

*Use to identify the special programs, exercises, project, operation, and other purposes.*

85 Country and Activity Code

**DLMS Note:**

*Use to identify the Security Cooperation Customer Code. Refer to ADC 1075.*



**Code Name**

95 Offer and Release Option Code

**DLMS Note:***Use to identify the offer and release option code.*

A3 Delivery Term Code

**DLMS Note:***Use to identify the Delivery Term Code for the shipment. Authorized DLMS enhancement; see DLMS Introductory Note 4e. Refer to ADC 1098.*

A4 Case Designator Number

**DLMS Note:***Must use in FMS transactions to identify the FMS case number.*

A5 Subcase Number

**DLMS Note:***Use in FMS transactions based on Service requirements.*

A6 Freight Forwarder Number

**DLMS Note:***Use to identify the CR/FF to receive shipments and documentation.*

A9 Supplemental Data

**DLMS Note:**

1. *Use to identify supplemental address/data.*
2. *Future streamlined data; see introductory DLMS note 4c.*

AJ Utilization Code

**DLMS Note:**

1. *Under Legacy MILSTRIP, this is the first position of the document serial number.*
2. *Authorized DLMS enhancement; see DLMS Introductory Note 4e. Refer to ADC 1098.*

AL Special Requirements Code

**DLMS Note:**

1. *Use to identify the precedence, special handling, and processing requirements.*
2. *Under legacy MILSTRIP, this is carried in the required delivery date field.*
3. *Authorized DLMS enhancement; see DLMS Introductory Note 4e. Refer to ADC 1098.*

BD Transportation Priority Code

**DLMS Note:***Use to identify the transportation priority.*

DF Media and Status Code

EQ Controlled Inventory Item Code

**DLMS Note:***Use to identify the Controlled Inventory Item Code for the item. Authorized DLMS enhancement; see DLMS Introductory Note 4e. Refer to ADC 1098.*

NT Type of Cargo Code

**DLMS Note:***Use for water shipments to identify the predominate type of cargo code within the shipment unit for ocean manifesting. Used in conjunction with the water commodity and special handling code identified in the 2/LQ01/3500 Code 34. Authorized DLMS enhancement; see DLMS Introductory Note 4e. Refer to ADC 1098.*

COG Cognizance Symbol

**DLMS Note:***Use to identify the materiel 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 materiel management. Indicate NSL for non-stock numbered listed items. This is a Navy-unique data element meaningful to Navy only;*

**Code Name**

*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; Non-Navy Components are to perpetuate without action.*

SMI Special Material Identification Code

**DLMS Note:**

*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	<b>Industry Code</b>	X	AN	1/30	Must use	1
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**Description:** Code indicating a code from a specific industry code list

# SE Transaction Set Trailer

<b>Pos: 0200</b>	<b>Max: 1</b>
<b>Summary - Mandatory</b>	
<b>Loop: N/A</b>	<b>Elements: 2</b>

**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	<b>Number of Included Segments</b>	M	N0	1/10	Must use	1
		<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments					
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use	1
		<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set					
		<b>DLMS Note:</b> <i>Cite the same number as the one cited in ST02.</i>					