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 status to the wholesale distribution system for authorized materiel returns, including automatic returns.

2. DoD logistics users should refer to the Defense Logistics Management Standards (DLMS) Implementation Convention (IC) available at URL: www.dla.mil/does/DLMS. The DLMS IC provides specific business rules, conditions, and authorized codes necessary for appropriate use of this IC within the DLMS.

DLMS Note:

1. Use a single occurrence of this transaction set to transmit single or multiple shipment status transactions to one inventory control point (ICP)/ integrated material manager (IMM).

2. Users operating under the Defense Logistics Management Standards (DLMS) must reference the Unit of Issue and Purchase Unit Conversion Table and the Transportation Mode of Shipment Conversion Table which can be found on the Enterprise Business Standards Office (EBSO) Web site at www.dla.mil/does/DLMS.

3. This DLMS Implementation Convention (IC) 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.

4. All new development and significant enhancements to the DLMS 856R must use the 4030 version of the DLMS Implementation Convention. The 4010 version of the DLMS 856R IC will be phased out in 2019, to correspond with the deadline for full DLMS compliance per the OSD AT&L Strategy.

5. This revision to the DLMS IC incorporates Proposed DLMS Change (PDC) and Approved DLMS Change (ADC) listed. PDCs/ADCs are available from the EBSO Web site: http://www.dla.mil/HQ/InformationOperations/DLMS/eLibrary/Changes/processchanges/

- ADC 62, Revision to DLMS Supplement 856R, Shipment Status Material Returns
- ADC 62A, Addendum Revision to DLMS Supplement 856R, Shipment Status Material Returns
- Administrative update to identify DLMS enhancement for material transfer date - completed 7/30/07
- ADC 436, Administrative Revisions to DLMS Supplements to Remove Obsolete Routing Identifier Code (RIC) "Streamline" Notes and Update MILSTRIP/DLMS Documentation Associated with Routing Identifiers
- Organizational Name and Other Non-Substantive (Administrative) Updates Completed on February 21, 2014
- ADC 1043C, Administrative Corrections for SLOA Data in the 810L Logistics Bill and other DLMS ICs
- ADC 1071, Implementation of Item Unique Identification (IUID) Supply Policy in Version 4030 DLMS 856R Shipment Status Materiel Returns
- 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 17, 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 February 19, 2019

Heading:

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

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - HL					**200000**	**C2/10L**	
10	HL	Hierarchical Level	M	1		C2/10	Must use
20	LIN	Item Identification	O	1			Used
30	SN1	Item Detail (Shipment)	O	1			Used
* 40	SLN	Subline Item Detail	O	1000			Not Used
* 50	PRF	Purchase Order Reference	O	1			Not Used
* 60	PO4	Item Physical Details	O	1			Not Used
* 70	PID	Product/Item Description	O	200			Not Used
* 80	MEA	Measurements	O	40			Not Used
* 90	PWK	Paperwork	O	25			Not Used
* 100	PKG	Marking, Packaging, Loading	O	25			Not Used
* 110	TD1	Carrier Details (Quantity and Weight)	O	20			Not Used
120	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used
* 130	TD3	Carrier Details (Equipment)	O	12			Not Used
* 140	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5			Not Used
* 145	TSD	Trailer Shipment Details	O	1			Not Used
150	REF	Reference Identification	O	>1			Used
* 151	PER	Administrative Communications Contact	O	3			Not Used
* LOOP ID - LH1					**100**		
* 152	LH1	Hazardous Identification Information	O	1			Not Used
* 153	LH2	Hazardous Classification Information	O	4			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					**200**		
* 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

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - N1					**200**		
220	N1	Name	O	1			Must use
* 230	N2	Additional Name Information	O	2			Not Used
* 240	N3	Address Information	O	2			Not Used
* 250	N4	Geographic Location	O	1			Not Used
* 260	REF	Reference Identification	O	12			Not Used
* 270	PER	Administrative Communications Contact	O	3			Not Used
* 280	FOB	F.O.B. Related Instructions	O	1			Not Used
* 290	SDQ	Destination Quantity	O	50			Not Used
* 300	ETD	Excess Transportation Detail	O	1			Not Used
* 310	CUR	Currency	O	1			Not Used
* LOOP ID - SAC					**>1**		
* 320	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Not Used
* 325	CUR	Currency	O	1			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			Used
350	LQ	Industry Code	M	100			Must use
* LOOP ID - V1					**>1**		
* 360	V1	Vessel Identification	O	1			Not Used
* 370	R4	Port or Terminal	O	>1			Not Used
* 380	DTM	Date/Time Reference	O	>1			Not Used

Summary:

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

Notes:

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

Comments:

2/10L   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

Pos: 10	**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:

1. 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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use	1

Description: Code uniquely identifying a Transaction Set

CodeList Summary (Total Codes: 298, Included: 1)

Code	Name
856	Ship Notice/Manifest

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
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: *A unique number assigned by the originator of the transaction set, or the originator's application program.*

BSN   Beginning Segment for Ship Notice

Pos: 20	**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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
BSN01	353	**Transaction Set Purpose Code**	M	ID	2/2	Must use	1

        Description: Code identifying purpose of transaction set

        CodeList Summary (Total Codes: 65, Included: 2)

Code	Name
00	Original
77	Simulation Exercise

        DLMS Note:

        Use to identify a simulated mobilization exercise transaction set. Activities initiating simulated mobilization exercises must ensure complete coordination with all activities involved. All transaction set recipients must use extreme caution to ensure that individual transactions do not process as action documents which affect accountable records.

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
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.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
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).*

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
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.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
		2. Express time in a four-position (HHMM) format.					
BSN06	640	**Transaction Type Code**	X	ID	2/2	Must use	1

Description: Code specifying the type of transaction

CodeList Summary (Total Codes: 446, Included: 1)

Code Name

FT   Material Returns

> **DLMS Note:**
>
> *Must use to indicate this transaction set provides shipment status information related to materiel returns transactions.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
BSN07	641	**Status Reason Code**	O	ID	3/3	Used	1

Description: Code indicating the status reason

CodeList Summary (Total Codes: 387, Included: 1)

Code Name

W05   Order Discrepancy

> **DLMS Note:**
>
> *Use to indicate when the shipment status is related to return of discrepant or deficient materiel.*

# HL Hierarchical Level	**Pos: 10** **Max: 1** **Detail - Mandatory**	
	Loop: HL **Elements: 2**	

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 transaction shipment status.

2. Use the first 2/HL/010 loop iteration to provide transaction set address information.

3. Use the second and all subsequent 2/HL/010 loop iterations to identify individual transaction shipment status information.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
HL01	628	**Hierarchical ID Number**	M	AN	1/12	Must use	1

Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure

Federal Note: *In the first 2/HL/010 loop iteration, cite 1. In each subsequent loop iteration, increase incrementally by 1.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use	1

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

CodeList Summary (Total Codes: 170, Included: 2)

Code	Name
V	Address Information

    DLMS Note:

    Use to identify the transaction set address loop.

Code	Name
W	Transaction Reference Number

    DLMS Note:

    Use to identify the individual transaction materiel returns shipment status loops.

LIN   Item Identification

Pos: 20	**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 in 2/HL/010 transaction reference number loops to identify the materiel shipped. Do not use in the 2/HL/010 address loop.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
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: *Following is a list of preferred codes.*

DLMS Note: *1. Use only one of codes A2, A4, FB, FS, FT, MG, or YP to identify the materiel shipped. Must use the National Stock Number (NSN) when known, except when appropriate brand name subsistence items are identified by the Subsistence Identification Number.*

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

CodeList Summary (Total Codes: 477, Included: 11)

Code	Name
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

FT Federal Supply Classification

> **DLMS Note:**
> *1. Use to identify nonstandard materiel when a part number is not available and materiel reported was identified by description (e.g., non NSN lumber products).*
>
> *2. Use only with BSN07 code W05.*

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.*

ZZ Mutually Defined

> **DLMS Note:**
> *Use to identify nonstandard materiel when all other authorized codes do not apply or cannot be determined.*

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)

Federal Note: *Use only one of codes CN or ZB to fully identify the materiel.*

CodeList Summary (Total Codes: 477, Included: 2)

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	**Product/Service ID**	X	AN	1/48	Used	1

Description: Identifying number for a

Ref	**Id**	**Element Name**	**Req**	**Type**	**Min/Max**	**Usage**	**Rep**
		product or service					

SN1   Item Detail (Shipment)

Pos: 30	**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:

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
SN102	382	**Number of Units Shipped**	M	R	1/10	Must use	1
		Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set					
		Federal Note: *1. Use to identify the shipped quantity.*					
		2. Express as a whole number with no decimals.					
SN103	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					
		Federal Note: *Use to identify the unit of issue for the materiel shipped.*					
		DLMS Note: *DLMS users see the Unit of Issue and Purchase Unit Conversion Table for available codes.*					

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 transaction reference number loops to identify the mode of shipment.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
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.*

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

REF Reference Identification

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

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.

Federal Note:

Use in 2/HL/010 transaction reference number loops to provide financial data citing the fund purpose code and either or both of the fund code and the long-line accounting data.

DLMS Note:

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use	1

Description: Code qualifying the Reference Identification

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

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

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

CodeList Summary (Total Codes: 1503, Included: 5)

Code	Name
BT	Batch Number

DLMS Note:

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

FG	Fund Identification Number

DLMS Note:

1. Use to identify the fund purpose code. Cite any fund purpose code except CR or DR.

2. Use to identify accounting classification data against which a credit for the returned materiel will be provided.

LT	Lot Number

DLMS Note:

Use to identify the manufacturer's lot number.

TG	Transportation Control Number (TCN)

DLMS Note:

Must use in every 2/HL/010 transaction reference number loop to identify the shipment unit TCN.

TN	Transaction Reference Number

DLMS Note:

Must use in every 2/HL/010 transaction reference number loop to identify the original customer-assigned transaction number associated with the materiel return.

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
REF02	127	**Reference Identification**	X	AN	1/30	Must use	1

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier					
REF03	352	**Description**	X	AN	1/80	Used	1
		Description: A free-form description to clarify the related data elements and their content					
		Federal Note: *Use with REF01 code FG and REF04-01 code AT to cite the supplemental accounting classification data.*					
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					
		Federal Note: *1. When providing financial data (REF01 is FG):*					
		If providing only the fund code use REF04-01 code FU and cite the fund code in REF04-02.					
		If providing only the long-line accounting data use REF04-01 code AT and cite the basic appropriation data in REF04-02. Use REF04-03 code 10 and cite the accounting station number REF04-04.					
		If providing both use REF04-01 code FU, REF04-03 code AT and REF04-05 code 10 citing the related data in the following data element of the pair.					
		2. When needed, use codes from REF01-01 and the next available combination of data element 128/127 pairs to provide the necessary data.					
REF04-01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use	1
		Description: Code qualifying the Reference Identification					
		DLMS Note: *Use one of codes 08, AW, BL, BM, IZ, K2, K3, WY or ZH with REF01 code TG to further identify a secondary transportation number when known.*					

CodeList Summary (Total Codes: 1503, Included: 14)

Code **Name**

08   Carrier Assigned Package Identification Number

DLMS Note:

Use to identify the shipment unit small package identification number.

10   Account Managers Code

DLMS Note:

Use in one of REF04-03 or REF04-05 to identify the authorized accounting activity (AAA)/accounting disbursing station number (ADSN)/fiscal station number (FSN).

AT   Appropriation Number

DLMS Note:

Use in one of REF04-01 or REF04-03 to identify the basic appropriation data.

AW   Air Waybill Number

DLMS Note:

Code	Name
	Use to identify the shipment unit air waybill number.
BL	Government Bill of Lading

DLMS Note:

Use to identify the government bill of lading.

BM	Bill of Lading Number

DLMS Note:

Use to identify the shipment unit commercial bill of lading number.

FU	Fund Code

DLMS Note:

Use with REF01 code FG to identify the fund code.

IZ	Insured Parcel Post Number

DLMS Note:

Use to identify the shipment unit insured parcel post number.

K1	Foreign Military Sales Notice Number

DLMS Note:

Use with REF01 code TG to identify the FMS Notice Number.

K2	Certified Mail Number

DLMS Note:

Use to identify the shipment unit certified mail number.

K3	Registered Mail Number

DLMS Note:

Use to identify the shipment unit registered parcel post number.

W8	Suffix

DLMS Note:

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

WY	Waybill Number

DLMS Note:

Use to identify the shipment unit waybill number.

ZH	Carrier Assigned Reference Number

DLMS Note:

Use to identify the shipment unit express mail number.

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

REF04-03	128	**Reference Identification Qualifier**	X	ID	2/3	Used	1

Description: Code qualifying the Reference Identification

Federal Note: *For valid codes, see REF04, C04001.*

REF04-04	127	**Reference Identification**	X	AN	1/30	Used	1

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

REF04-05	128	**Reference Identification Qualifier**	X	ID	2/3	Used	1

Description: Code qualifying the Reference Identification

Federal Note: *For valid codes, see REF04, C04001.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
REF04-06	127	**Reference Identification**	X	AN	1/30	Used	1

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
REF04-06	127	**Reference Identification**	X	AN	1/30	Used	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 only in 2/HL/010 transaction reference number loops to identify dates associated with the shipment status.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
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
>
> **DLMS Note:** *Use only one of codes 011 or 514 to identify the available shipment information.*
>
> **CodeList Summary** (Total Codes: 1112, Included: 2)

Code	Name
011	Shipped

> **DLMS Note:**
>
> *Use to identify the date released to carrier/shipment date, regardless of shipment method.*

Code	Name
514	Transferred

> **DLMS Note:**
>
> *Use to identify materiel transfer date to the carrier, if a delay occurs prior to actual shipment.*
>
> *DLMS enhancement; see introductory DLMS note 3a.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
DTM02	373	**Date**	X	DT	8/8	Must use	1

> **Description:** Date expressed as CCYYMMDD

N1   Name

<table>
<tr><td>Pos: 220</td><td>Max: 1</td></tr>
<tr><td colspan="2" align="center">Detail - Optional</td></tr>
<tr><td>Loop: N1</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Must use

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:

1. Must 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.

2. Must use the 2/N1/220 loop in every 2/HL/010 transaction reference number loop to identify the shipment unit consignor, consignee, and carrier.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
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: *Following is a list of preferred codes.*

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

CodeList Summary (Total Codes: 1312, Included: 9)

Code	Name
41	Submitter

DLMS Note:

Use to identify the organization transmitting the transaction set.

CA	Carrier

DLMS Note:

1. Use to identify the shipment unit carrier.

2. DLMS Enhancement: See introductory DLMS note 3a.

CN	Consignee

DLMS Note:

Use to identify the materiel consignee when different from the Ship To.

MF	Manufacturer of Goods

DLMS Note:

DLMS Enhancement: See introductory DLMS note 3a.

SF	Ship From

DLMS Note:

1. Use to identify the shipping activity (ship from) when other than the submitter.

2. DLMS Enhancement: See introductory DLMS note 3a.

ST	Ship To

DLMS Note:

Code	Name
	1. Use to identify the organization to receive the materiel.
	2. DLMS Enhancement: See introductory DLMS note 3a.
Z1	Party to Receive Status

DLMS Note:

1. Use to indicate the organization to receive shipment status.

2. As a DLMS enhancement, may be used to identify recipients other than the prescribed status recipients under DLMS/MILSTRIP distribution rules. Use multiple iterations of the 2/N1/220 loop to identify shipment status recipients, as needed. See introductory DLMS 3a.

Code	Name
Z4	Owning Inventory Control Point
ZB	Party to Receive Credit

DLMS Note:

Use to identify the organization to receive credit for the materiel when different from the organization originating 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)

CodeList Summary (Total Codes: 215, Included: 7)

Code	Name
1	D-U-N-S Number, Dun & Bradstreet

DLMS Note:

DLMS enhancement; See introductory DLMS note 3a.

Code	Name
2	Standard Carrier Alpha Code (SCAC)

DLMS Note:

Use as needed to identify the commercial carrier.

Code	Name
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix

DLMS Note:

DLMS enhancement; See introductory DLMS note 3a.

Code	Name
10	Department of Defense Activity Address Code (DODAAC)

DLMS Note:

DLMS enhancement; See introductory DLMS note 3a.

Code	Name
33	Commercial and Government Entity (CAGE)
A2	Military Assistance Program Address Code (MAPAC)

DLMS Note:

Use to indicate the Security Assistance (SA) structured address data. Interpretation may require additional codes cited elsewhere in the transaction.

Code	Name
M4	Department of Defense Routing Identifier Code (RIC)

N104	67	**Identification Code**	X	AN	2/80	Must use	1

Description: Code identifying a party or other code

N106	98	**Entity Identifier Code**	O	ID	2/3	Used	1

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

Federal Note: *Use only in 2/HL/010 address loops.*

CodeList Summary (Total Codes: 1312, Included: 2)

Code	Name
FR	Message From

Federal Note:

Code	Name
	Must use with the appropriate 2/N101/220 code to indicate the organization cited in N104 is sending the transaction set.
TO	Message To

Federal Note:

Must use with the appropriate 2/N101/220 code to indicate the organization cited in N101 is receiving the transaction set.

LM   Code Source Information

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

User Option (Usage): Used

Purpose: To transmit standard code list identification information

Comments:

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

Federal Note:

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
LM01	559	**Agency Qualifier Code**	M	ID	2/2	Must use	1

    Description: Code identifying the agency assigning the code values

    CodeList Summary (Total Codes: 176, Included: 1)

    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, as appropriate, consistent with management information requirements.

Element Summary:

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

Description: Code identifying a specific industry code list

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

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

CodeList Summary (Total Codes: 558, Included: 13)

Code	Name
0	Document Identification Code

DLMS Note:

1. The MILSTRIP DIC is retained in the DLMS to facilitate transaction conversion in a mixed legacy MILSTRIP/DLMS environment. Continued support of the DIC in a full DLMS environment will be assessed at a future date.

2. Future streamlined data; See introductory DLMS note 3c.

79	Priority Designator Code

DLMS Note:

Use to accomodate legacy system requirements.

83	Supply Condition Code

DLMS Note:

Use only with return of discrepant materiel (BSN07 code W05).

87	Subsistence Type of Pack Code

DLMS Note:

Use only for subsistence items to identify the subsistence type of pack item identification.

A9	Supplemental Data

DLMS Note:

1. Use to identify supplemental address/data.

2. Future streamlined data; see introductory DLMS note 3c.

AJ	Utilization Code

DLMS Note:

1. Under legacy MILSTRIP, this is the first position of the document serial number.

2. DLMS enhancement; see introductory DLMS note 3a.

AL	Special Requirements Code

Federal Note:

Use to identify the precedence, special handling, and processing requirements.

DLMS Note:

1. Under legacy MILSTRIP, this is carried in the required delivery date field.

Code	Name
	2. DLMS enhancement; see introductory DLMS note 3a.
DE	Signal Code
DF	Media and Status Code
COG	Cognizance Symbol

DLMS Note:

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

IMC	Item Management Code

DLMS Note:

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

MCC	Material Control Code

DLMS Note:

Use to identify the Material Control Code (MCC) for special inventory reporting. 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. 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: 20	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:

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage	Rep
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: *Cite the same number as the one cited in ST02.*					