

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:

Contractors use this transaction set to send a single Shipment Notice (SN).

DLMS Note:

- 1. This DLMS Implementation Convention IC is based upon the Federal Implementation Convention (IC) 856, Ship Notice/Manifest and is provided for clarification of internal DoD use of the 856 as it pertains to Wide Area Work Flow e-Business Suite, Invoicing, Receipt, Acceptance and Property Transfer (iRAPT), formerly Wide Area Workflow – Receipt and Acceptance (WAWF-RA).*
- 2. This document describes the advance shipment notice as extracted from iRAPT and forwarded to Defense Contract Management Agency (DCMA), payment offices, and receiving points. For submission of the 856 to iRAPT, please refer to the iRAPT Implementation Guide located on the Wide Area Work Flow e-Business Suite Website at: <https://wawf.eb.mil>*
- 3. This transaction may be used to forward Property Transfer Document (PTD) information submitted to iRAPT by a contractor for return of Government Furnished Property to DoD inventory. This is an interim use pending full implementation of the iRAPT PTD facilitated by Global Exchange (GEX) conversion mapping.*
- 4. This document also supports internal DoD transactions for the Shipment Performance Notice and the Destination Acceptance Alert during DLMS migration and pending full implementation of iRAPT.*
- 5. DoD, Federal and Civil Agency 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 Defense Logistics Management Standards Office Web site at www.dla.mil/j-6/dlms.*
- 6. This transaction may be used to provide item unique identification (IUID) information in accordance with DLMS procedures and OSD Supply Policy. Refer to the IUID web at URL: <http://www.acq.osd.mil/dpap/pdi/iuid/> for DoD policy.*
- 7. This transaction may be used to forward passive Radio Frequency Identification (RFID) tag information as submitted by vendors to iRAPT. For more information about RFID, refer to the DoD Automated Information Technology web site at URL: <http://www.transcom.mil/ait/>*
- 8. Effective April 1, 2014, Refer to ADC 1075. Users must reference the GENC Standard for country codes (<https://geo.aitcnet.org/NSGREG/genc/discovery>) for a listing of authorized values. Under DLMS, use the GENC Digraph (two-character) code values.*
- 9. This revision to the DLMS IC incorporates Proposed DLMS Change and Approved DLMS Change (ADC) listed. PDCs/ADCs are available from the Defense Logistics Management Standards Office Web site: <http://www.dla.mil/j-6/dlms/elibrary/Changes/processchanges.asp>*
 - ADC 129, New DLMS Supplement for DLMS ASN Following Federal IC 856, Shipment Notice/Manifest*
 - ADC 162, Correction to DSs 4010 856 ASN and 4010 861 Acceptance Report to Add Missing Qualifiers for Component Unique Data Content*
 - ADC 165, Optional Capability for Sending Information Copy of DLMS Supplements 856, 856S, 861, 867I, 870M, 945A, and 947I to a Component Unique Item Tracking (UIT) Registry (Supply)*
 - ADC 177, ASN 856 Cancellation and Correction Functionality*
 - ADC 231, Inclusion of Data Supporting Wide Area Workflow Transaction Exchange for Item Unique Identification (IUID), Zero Lot Shipments, and Performance Notification for Services*
 - ADC 303, Transportation Identification Numbers in Wide Area Workflow (WAWF)*
 - ADC 362, Revised DLMS Supplement (DS) 856, Advance Shipment Notice/Receiving Report (ASN/RR): Void, Replace, Change, and Contract Number Type (Wide Area Work Flow/Contract Administration/Supply Interface)*
 - ADC 438, Revise Advance Shipment Notice (ASN) (DLMS Supplement (DS) 856) to add the Purchase Request (PR) Number supporting the Electronic Document Access (EDA)/Wide Area Workflow (WAWF) Interface (Supply/Contract Administration/ Finance)*
 - ADC 439, Revise DS 4010 Advance Shipment Notice, ASN, (DS 856), Add New Segment and Qualifiers for DMLSS/WAWF Interface*
 - ADC 448, Implementation of International Organization for Standardization (ISO) 3166-1 Codes for the Identification of Countries and their Subdivisions*
 - ADC 448B, Delayed implementation for International Organization for Standardization (ISO) 3166-1 Codes for the Identification of Countries and their Subdivisions*
 - ADC 1042, Revise Wide Area Workflow (WAWF) Advance Shipment Notice (ASN) to Accommodate DLA Interface for Repairable Government Furnished Property (GFP)*

- 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 February 07, 2014.
- ADC 1113, Wide Area Workflow (WAWF) Advance Shipment Notice (ASN) Revisions Including Enhancements for Security Cooperation (SC) Foreign Military Sales (FMS)
- ADC 1121, WAWF Update to Permit Multiple Product/Service Pairs on Receiving Reports and Property Transfer Documents
- ADC 1136, Revise Unique Item Tracking (UIT) Procedures to support DODM 4140.01 UIT Policy and Clarify Requirements (Supply)
- ADC 1157, Update Uniform Procurement Instrument Identification (PIID) Numbering system in the Federal/DLMS Implementation Conventions and DLMS Manual
- ADC 1161, Update uniform Procurement Instrument Identifier (PIID) numbering system in the Federal/DLMS Implementation Conventions and DLMS Manuals (Supply/Contract Administration)
- ADC 1183, Revise Federal Implementation Convention (IC) 856 (Ship Notice/Manifest), DLMS IC 856 (Advance Shipment Notice) and Federal IC 857 (Shipment and Billing Notice) to add Final Shipment Indicator and Final Invoice Indicator
- ADC 1202, Processing of Advance Shipment Notice (ASN) for Certificate of Conformance (CoC) or Alternate Release Procedures (ARP) and Edit Blocking Inappropriate Supply Discrepancy Report (SDR) for Missing Quality Assurance Representative (QAR) Signature (Discrepancy Code D4) and associated Suspended Receipt

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>
010	ST	Transaction Set Header	M	1			Used
020	BSN	Beginning Segment for Ship Notice	M	1			Used
* 040	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>
<u>LOOP ID - HL</u>					<u>200000</u>	<u>C2/010L</u>	
010	HL	Hierarchical Level	M	1		C2/010	Must use
020	LIN	Item Identification	O	1			Must use
030	SN1	Item Detail (Shipment)	O	1			Used
040	SLN	Subline Item Detail	O	1000			Used
050	PRF	Purchase Order Reference	O	1			Used
* 060	PO4	Item Physical Details	O	1			Not Used
070	PID	Product/Item Description	O	200			Used
* 080	MEA	Measurements	O	40			Not Used
* 090	PWK	Paperwork	O	25			Not Used
* 100	PKG	Marking, Packaging, Loading	O	25			Not Used
110	TD1	Carrier Details (Quantity and Weight)	O	20			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			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
<u>* LOOP ID - LH1</u>					<u>100</u>		
* 152	LH1	Hazardous Identification Information	M	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	O	3			Not Used

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

Summary:

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

Notes:

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

Comments:

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

ST Transaction Set Header

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

User Option (Usage): Used

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

Semantics:

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

Element Summary:

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

BSN Beginning Segment for Ship Notice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 7

User Option (Usage): Used

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
BSN01	353	Transaction Set Purpose Code	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

Code Name

- 00 Original
- 01 Cancellation

Federal Note:

For iRAPT, use to indicate a "Void Only" submission.

DLMS Note:

Restricted use during DCMA pilot. Applicable to source inspection and acceptance, DCMA administered and MOCAS paid, where documents have been signed in iRAPT by the inspector.

- 05 Replace

Federal Note:

For iRAPT, use to indicate a "Void and Create" to void a previously submitted ASN/Receiving Report (RR) and concurrently create a new one.

DLMS Note:

Restricted use during DCMA pilot. Applicable to source inspection and acceptance, DCMA administered and MOCAS paid, where documents have been signed in iRAPT by the inspector.

- CO Corrected

Federal Note:

1. Use only after receiving an acknowledgment of receipt for a previously transmitted Shipment Notice. When used, the entire Shipment Notice will be transmitted.

2. For iRAPT, use to indicate a corrected ASN/RR submission.

DLMS Note:

Use to indicate this transaction is being sent to correct data previously transmitted via ASN.

BSN02	396	Shipment Identification	M	AN	2/30	Must use
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Description: A unique control number assigned by the original shipper to identify a specific shipment

Federal Note: *Use to cite the shipment number. If applicable, include the final shipment indicator (i.e., the letter Z) or if applicable, the replacement shipment indicator, e.g., A, B, etc., at the end of the shipment number.*

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BSN03	373	Date Description: Date expressed as CCYYMMDD Federal Note: 1. Use to indicate the transaction set creation date. 2. Express the originating activity's date in Universal Time Coordinate (UTC).	M	DT	8/8	Must use
BSN04	337	Time 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 Universal Time Coordinate (UTC). 2. Express time in a six-position (Hour Hour Minute Minute Second Second) format.	M	TM	4/8	Must use
BSN05	1005	Hierarchical Structure Code Description: Code indicating the hierarchical application structure of a transaction set that utilizes the HL segment to define the structure of the transaction set	O	ID	4/4	Used
BSN06	640	Transaction Type Code Description: Code specifying the type of transaction Federal Note: Use to indicate the type of transaction.	X	ID	2/2	Used
		Code Name				
		AS Shipment Advice Federal Note: Use to indicate the transaction is a Material Inspection and Receiving Report [Ship Notice] from a contractor.				
		TS Transfer Statement Federal Note: Use to indicate the shipment/movement of Government Property (from Government to Contractor, Contractor to Contractor, Contract to Contract, Contractor to Government, Government to Government and to indicate shipment of Contractor Acquired Property (CAP) from Contractor to Government. Does not include shipment of new acquisition contract items from the selling contractor to the government. DLMS Note: 1. This DLMS IC does not contain full iRAPT property transfer functionality. Refer to the iRAPT guide for implementation guidance for the Property Transfer Document (PTD). 2. Use by agreement only with BSN07= 036 for interim procedures supporting PTD implementation. Refer to ADC 1042.				
		U2 Shipment Performance Notice Federal Note: Use only on Department of Defense internal systems [i.e., Defense Contract Management Agency] when the transaction set contains a Shipment Performance Notice (supplies or services).				
		U4 Acceptance Alert Federal Note: Use only on Department of Defense internal systems when the transaction set contains a destination acceptance alert.				
BSN07	641	Status Reason Code	O	ID	3/3	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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Description: Code indicating the status reason

Code Name

036 Automatic Conversion

DLMS Note:

- 1. Use only with BSN06 Code TS to indicate this transaction is a variant of the full iRAPT PTD used on an interim basis to facilitate DLMS processing of GFP receipts by DoD activities pending full integration of iRAPT. This variant perpetuates the PTD Qualifier TS and PTD information in the ASN format using GEX conversion mapping. (Also referred to as a pseudo ASN.)*
- 2. Use to indicate when transaction is provided to report location movement of GFP. This procedure updates the Accountable Property System of Record with the change of GFP custodial location. Refer to ADC 1042.*

HL Hierarchical Level

Pos: 010	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 4

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:

For iRAPT, the hierarchical structure shall be: Shipment (HL03 Code S), Address (HL03 code V), Item (HL03 Code I), IUID (HL03 code D), Product Characteristics (HL03 = PH) and RFID (HL03 code P).

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
HL01	628	Hierarchical ID Number	M	AN	1/12	Must use
<p>Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure</p> <p>Federal Note: <i>In the first 2/HL/010 loop iteration, cite the number 1. In each subsequent loop iteration, increase incrementally by 1.</i></p>						
HL02	734	Hierarchical Parent ID Number	O	AN	1/12	Used
<p>Description: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to</p> <p>Federal Note: <i>Do not use in the first occurrence of the 2/HL/010 address loop.</i></p> <p>DLMS Note: <i>Use in subsequent 2/HL/010 loops to identify the relationship between a previous occurrence of the loop and the current occurrence of the loop. Use in shipment loop to associate with the address loop. Use in line item loops to associate with the shipment loop. Use in IUID loops to associate with the applicable line item loop. Use in the first Pack/RFID loop for the highest level pack to associate with the shipment loop. Use in subsequent Pack/RFID loops to associate with either the shipment loop or the corresponding Pack/RFID loop which contains the pack detailed in this loop.</i></p>						
HL03	735	Hierarchical Level Code	M	ID	1/2	Must use
<p>Description: Code defining the characteristic of a level in a hierarchical structure</p> <p>Code Name</p> <p>D Product Description</p>						

Code Name

Federal Note:

Use to identify IUID data consistent with IUID data requirements. Only segments 2/SLN/040 and 2/REF/150 are applicable to the IUID data loop. Use a separate IUID loop for each combination of UII type, original part number, Enterprise Identifier and its associated Issuing Agency Code, and manufacturer identifier, if different from the Enterprise Identifier, and the Issuing Agency Code associated with the manufacturer. Begin a new IUID loop if any one of these elements differs.

E Transportation Equipment

Federal Note:

For iRAPT, used to identify a loop containing embedded UII information.

I Item

Federal Note:

Use to identify the individual line item loops.

DLMS Note:

The following detail segments are applicable to the line Item loop: 2/LIN/020, 2/SN1/030, 2/PID/070, 2/TD4/140, 2/REF/150, 2/CLD/170, 2/REF/180, 2/LM/340, and 2/LQ/350.

P Pack

Federal Note:

When providing RFID information pertaining to a shipment, use to identify individual pack loops associated with RFID. Only the 2/REF/150 and 2/SDQ/290 are used in this loop when reporting pack/RFID information.

S Shipment

DLMS Note:

Use to identify the shipment loop. The following detail segments are applicable to the Shipment loop: 2/PRF/050, 2/TD1/110, 2/TD5/120, 2/REF/150, 2/DTM/200, 2/FOB/210, 2/CUR/310, 2/SAC/320, 2/LM/340, and 2/LQ/350.

V Address Information

Federal Note:

Use to identify the transaction set address loop.

DLMS Note:

The following detail segments are applicable to the Address loop: 2/N1/220 and 2/PER/270.

PH Product Characteristic

DLMS Note:

Use to identify product characteristics (Batch/Lot, Manufacturer, and Shelf Life Expiration Date) applicable to the item(s) being shipped/delivered. Only segments 2/SN1/030, 2/REF/150, 2/DTM/200, and 2/N1/220 are used. Multiple PH Loops may subordinate to a single Item Loop. No subordinate loops are allowed to this loop.

HL04 736 Hierarchical Child Code O ID 1/1 Used

Description: Code indicating if there are hierarchical child data segments subordinate to the level being described

Code Name

0 No Subordinate HL Segment in This Hierarchical Structure.

DLMS Note:

HL04 is always 0 in the IUID loop, otherwise use as applicable.

1 Additional Subordinate HL Data Segment in This Hierarchical Structure.

DLMS Note:

HL04 is always 1 in the Address loop and Shipment loop, otherwise use as applicable.

LIN Item Identification

Pos: 020	Max: 1
Detail - Optional	
Loop: HL	Elements: 31

User Option (Usage): Must use

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.

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>
LIN01	350	Assigned Identification	O	AN	1/20	Used
<p>Description: Alphanumeric characters assigned for differentiation within a transaction set</p> <p>Federal Note: Use to identify in accordance with the format prescribed in the Defense Federal Acquisition Regulation Supplement Uniform Line Item Numbering Policy, the Line Item, if applicable, e.g., Contract Line Item Number, Sub Line Item Number, Exhibit Line Item Number, etc., in accordance with the Uniform Contract Line Item Numbering System.</p>						
LIN02	235	Product/Service ID Qualifier	M	ID	2/2	Must use
<p>Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)</p> <p>DLMS Note: 1. Use in the Line Item Loop (HL03=I) to identify/ describe the commodity or service applicable to the line item. Submission of multiple product/service pairs enables capture and transmission of more than one identification data element useful to interfacing systems and users.</p> <p>2. Only the following codes are applicable under the DLMS.</p> <p>3. When available, NSN must be provided. When</p>						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<i>NSN is provided, a maximum of fifteen (15) codes may be identified per line item using the next available product/service pair. When NSN is not provided a maximum of fourteen (14) codes may be identified per line item.</i>				
		<i>4. Do not mix services (Code SV) and supplies on the same line item.</i>				
		<i>5. For Navy, at least one of the following codes is required: FS, MG, or SW to identify materiel; SV to identify a service.</i>				
		<i>6. For DLA, at least one of the following codes is required. For bulk fuels, use only Code FS.</i>				
		<i>FS (NSN)</i>				
		<i>IB (ISBN)</i>				
		<i>MG (Manufacturer's Part Number)</i>				
		<i>N4 (National Drug Code in 5-4-2 Format) (If applicable to DMLSS)</i>				
		<i>UK (U.P.C/EAN Shipping Container Code (1-2-5-5-1)) (If applicable to DMLSS)</i>				
		<i>UX (Universal Product Number) (If applicable to DMLSS)</i>				
		<i>VC (Vendor's (Seller's) Catalog Number) (If applicable to DMLSS)</i>				
		<i>VP (Vendor's (Seller's) Part Number)</i>				
		<i>SV (Service Rendered)</i>				
		Code Name				
		A3 Locally Assigned Control Number				
		AK Refined Product Code				
		B8 Batch Number				
		CG Commodity Grouping				
		CH Country of Origin Code				
		CL Color				
		CN Commodity Name				
		EF Exhibit Identifier				
		F7 End-Item Description				
		F8 Next Higher Used Assembly				
		FS National Stock Number				
		FT Federal Supply Classification				
		IB International Standard Book Number (ISBN)				
		DLMS Note:				
		<i>Use to identify title or unique edition of product by ISBN. The ISBN is a variable length alpha numeric code with maximum of 13 positions.</i>				
		IN Buyer's Item Number				
		KA Engineering Data List				
		KB Data Category Code				
		KD Replacement National Stock Number				
		KF Item Type Number				
		KG Time Compliant Technical Order				
		KI Cognizance Symbol				
		KJ Material Control Code				
		KK Special Material Identification Code				
		KL Item Management Code				
		KM Shelf-Life Code				
		KN Shelf-Life Action Code				

Code Name

- LT Lot Number
- MF Manufacturer
- MG Manufacturer's Part Number
- MN Model Number
- N1 National Drug Code in 4-4-2 Format
- N2 National Drug Code in 5-3-2 Format
- N3 National Drug Code in 5-4-1 Format
- N4 National Drug Code in 5-4-2 Format
- ND National Drug Code (NDC)
- PD Part Number Description

DLMS Note:

Use code PD when the line item cannot be identified by using one of the other listed codes. When used, describe the item in the associated Product/Service ID, DE 234.

- PU Part Reference Number
- RC Returnable Container Number
- SN Serial Number
- ST Style Number
- SV Service Rendered

Federal Note:

Use to describe a service line item performed for any Service or Agency. When used, provide a text description in no more than 20 characters in the paired data element 234.

- SW Stock Number
- SZ Vendor Alphanumeric Size Code (NRMA)
- TP Product Type Code
- UA U.P.C./EAN Case Code (2-5-5)
- UE U.P.C./EAN Module Code (2-5-5)
- UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)

DLMS Note:

Use to identify the UPC associated with the shipping container when the container is purchased on this line item.

- UX Universal Product Number
- VC Vendor's (Seller's) Catalog Number

DLMS Note:

Use to identify vendor item catalog number.

- VI Vary Item Product Number
- VP Vendor's (Seller's) Part Number
- ZB Commercial and Government Entity (CAGE) Code
- ZR Service Control Identification

DLMS Note:

Use on FMS Receiving Reports to identify the applicable Military Articles & Services List (MASL) description. The MASL is a catalog of descriptive codes and text used to identify materiel and services available to be transferred to foreign governments and international organizations.

LIN03	234	Product/Service ID	M	AN	1/48	Must use
		Description: Identifying number for a product or service				
LIN04	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
LIN05	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LIN06	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.	X	ID	2/2	Used
LIN07	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN08	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.	X	ID	2/2	Used
LIN09	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN10	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.	X	ID	2/2	Used
LIN11	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN12	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.	X	ID	2/2	Used
LIN13	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN14	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.	X	ID	2/2	Used
LIN15	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN16	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) All valid standard codes are used.	X	ID	2/2	Used
LIN17	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
LIN18	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		All valid standard codes are used.				
LIN19	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
LIN20	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
LIN21	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
LIN22	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
LIN23	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
LIN24	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
LIN25	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
LIN26	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
LIN27	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
LIN28	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
LIN29	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
LIN30	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		All valid standard codes are used.				
LIN31	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or				

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

SN1 Item Detail (Shipment)

Pos: 030	Max: 1
Detail - Optional	
Loop: HL	Elements: 3

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.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SN102	382	Number of Units Shipped	M	R	1/10	Must use
<p>Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set</p> <p>Federal Note: Use the number "0" (zero) to indicate no quantity was either shipped or reported, such as in an interim Shipment Performance Notice.</p> <p>DLMS Note: Use to identify the quantity shipped. Quantity format is X(8).XX.</p>						
SN103	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
<p>Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p>Federal Note: Use any code, other than code ZZ, to identify as necessary, the purchase unit for the quantity shipped or service performed. DLMS users see the Unit of Issue and Purchase Unit Conversion Table for available codes. Use code UL when no purchase unit applies.</p>						
SN104	646	Quantity Shipped to Date	O	R	1/15	Used
<p>Description: Number of units shipped to date</p> <p>DLMS Note: Use in the line item loop to identify the actual quantity shipped on Zero Lot shipments. This is only used for Zero Lot documents paid by MOCAS, when the Quantity Shipped in SN102 is zero (0) and Unit of Measure LO is reported in SN103. When provided quantity must equal amount associated with MILSTRIP document numbers, IUID data, or Pack data.</p>						

SLN Subline Item Detail

Pos: 040	Max: 1000
Detail - Optional	
Loop: HL	Elements: 18

User Option (Usage): Used

Purpose: To specify product subline detail item data

Syntax Rules:

1. C0706 - If SLN07 is present, then SLN06 is required.
2. C0806 - If SLN08 is present, then SLN06 is required.
3. P0405 - If either SLN04 or SLN05 is present, then the other is required.
4. P0910 - If either SLN09 or SLN10 is present, then the other is required.
5. P1112 - If either SLN11 or SLN12 is present, then the other is required.
6. P1314 - If either SLN13 or SLN14 is present, then the other is required.
7. P1516 - If either SLN15 or SLN16 is present, then the other is required.
8. P1718 - If either SLN17 or SLN18 is present, then the other is required.
9. P1920 - If either SLN19 or SLN20 is present, then the other is required.
10. P2122 - If either SLN21 or SLN22 is present, then the other is required.
11. P2324 - If either SLN23 or SLN24 is present, then the other is required.
12. P2526 - If either SLN25 or SLN26 is present, then the other is required.
13. P2728 - If either SLN27 or SLN28 is present, then the other is required.

Semantics:

1. SLN01 is the identifying number for the subline item.
2. SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3. SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
4. SLN08 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1A might be used as a subline number to relate to baseline number 1.
3. SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

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>
SLN01	350	Assigned Identification	M	AN	1/20	Must use
Description: Alphanumeric characters assigned for differentiation within a transaction set						
Federal Note: 1. This will always be "1" in the IUID loop.						
SLN03	662	Relationship Code	M	ID	1/1	Must use
Description: Code indicating the relationship between entities						
Code Name						
O Information Only						
Federal Note:						
Use in IUID loop to indicate IUID information is provided.						
SLN04	380	Quantity	X	R	1/15	Used
Description: Numeric value of quantity						
Federal Note: This will always be "1" in the IUID loop.						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SLN05	C001	Composite Unit of Measure Description: To identify a composite unit of measure(See Figures Appendix for examples of use)	X	Comp		Used
SLN05-01	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken DLMS Note: <i>iRAPT will use a constant "EA".</i>	M	ID	2/2	Must use
		Code Name EA Each				
SLN09	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) Federal Note: <i>Use in IUID loop to identify the UII Type in the first Product/Service pair. Use subsequent pairs to identify the Enterprise Identifier and its associated Issuing Agency Code, original part number, and manufacturer identifier and its associated Issuing Agency Code, as applicable.</i>	X	ID	2/2	Used
		Code Name KF Item Type Number Federal Note: <i>Use to identify the UII type per IUID guidance, e.g., VIN, UID1, UID2, etc., when known.</i>				
SLN10	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
SLN11	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2	Used
		Code Name MF Manufacturer DLMS Note: <i>Use to indicate the Enterprise Identifier. Required if UII Type=UID1 or UID2.</i>				
SLN12	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used
SLN13	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)	X	ID	2/2	Used
		Code Name MG Manufacturer's Part Number DLMS Note: <i>Use to indicate the original part number. Required if UII Type=UID2.</i>				
SLN14	234	Product/Service ID Description: Identifying number for a product or service	X	AN	1/48	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SLN15	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		Code Name XZ Contractor Establishment Code				
		DLMS Note: <i>Use to indicate the Issuing Agency Code. Required if UII Type=UID1 or UID2.</i>				
SLN16	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN17	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		Code Name B8 Batch Number				
		Federal Note: <i>Use for Batch/Lot Number associated with IUID information. No special characters, except for dashes (-) and forward slashes (/) are permitted.</i>				
SLN18	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN19	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		Code Name VU Vendor's Basic Unit Number				
		Federal Note: <i>Use in IUID loop to identify the manufacturer of the item associated with the IUID information if different from the Enterprise Identifier. The manufacturer may be identified by CAGE, DODAAC, ANSI T1.220, DUNS, or EAN.UCC. When provided, also identify the type of code used in a subsequent pair.</i>				
SLN20	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
SLN21	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		Code Name DS Group ID				
		Federal Note: <i>Use in IUID loop to identify the Issuing Agency Code which specifies the type of code used to identify the manufacturer. This is the same code list as used for Enterprise Identifier Issuing Agency Code:</i> <i>D: CAGE</i> <i>LD: DoDAAC</i> <i>LB: ANSI T1.220</i> <i>UN: DUNS</i> <i>0-9 (single digits, 10 different codes, EAN.UCC Company Prefix)</i> <i>LH: European Health Industry Business Communications Council</i>				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SLN22	234	Product/Service ID	X	AN	1/48	Used

Description: Identifying number for a product or service

PRF Purchase Order Reference

Pos: 050	Max: 1
Detail - Optional	
Loop: HL	Elements: 3

User Option (Usage): Used

Purpose: To provide reference to a specific purchase order

Semantics:

1. PRF04 is the date assigned by the purchaser to purchase order.

DLMS Note:

1. Use in 2/HL/010 shipment loops to identify contract information.
2. Implementation of the Uniform Procurement Instrument Identifier (PIID) in accordance with FAR 4.1603 and DFARS 204.16 is required by October 1, 2016.
3. Use to identify the PIID of the contract task or delivery order number.
4. For procurement instruments issued prior to implementation of the Uniform PIID, use to identify the Procurement Instrument Identification Number and, if applicable, the Supplemental Procurement Instrument Identification Number.
5. Use to identify a contract or order modifications, as applicable, except for Defense Contract Management Agency use in generating a Shipment Performance Notice.

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>
PRF01	324	Purchase Order Number	M	AN	1/22	Must use
<p>Description: Identifying number for Purchase Order assigned by the orderer/purchaser</p> <p>Federal Note: Use to identify the procurement instrument identifier (PIID). Use the legacy procurement instrument identification number (PIIN) pending transition to the PIID. When procurement is authorized under a PIID call/order number (F in 9th position), provide the value in the PIID field.</p>						
PRF02	328	Release Number	O	AN	1/30	Used
<p>Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction</p> <p>DLMS Note: 1. Use to identify the legacy four-position call/order number associated with the PIIN.</p> <p>2. Do not use for the PIID call/order number. The PIID call/order number is mapped to PRF01. Refer to ADC 1161.</p>						
PRF04	373	Date	O	DT	8/8	Used
<p>Description: Date expressed as CCYYMMDD</p> <p>DLMS Note: This is the Delivery Order Date.</p>						

PID Product/Item Description

Pos: 070	Max: 200
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

Purpose: To describe a product or process in coded or free-form format

Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. C0703 - If PID07 is present, then PID03 is required.
3. C0804 - If PID08 is present, then PID04 is required.
4. C0905 - If PID09 is present, then PID05 is required.
5. R0405 - At least one of PID04 or PID05 is required.

Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

Federal Note:

Use this segment only when additional free form text is needed to describe the item cited in LIN01 (HL03 code is I).

DLMS Note:

Use 1-25 iterations as needed.

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>
PID01	349	Item Description Type	M	ID	1/1	Must use
		Description: Code indicating the format of a description				
		Code Name				
		F Free-form				
PID05	352	Description	X	AN	1/80	Must use
		Description: A free-form description to clarify the related data elements and their content				
		Federal Note: <i>Use to describe the item cited in LIN01 only when an additional description is required.</i>				
		DLMS Note: <i>Mandatory entry for iRAPT.</i>				

TD1 Carrier Details (Quantity and Weight)

Pos: 110	Max: 20
Detail - Optional	
Loop: HL	Elements: 4

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.

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>
TD107	81	Weight	X	R	1/10	Used
Description: Numeric value of weight						
Federal Note: <i>The actual gross weight in pounds of the shipment being reported.</i>						
TD108	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
Code Name						
LB Pound						
TD109	183	Volume	X	R	1/8	Used
Description: Value of volumetric measure						
DLMS Note: <i>Use to provide total cubic feet. Use with TD110 = 5I or CF as applicable.</i>						
TD110	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
Code Name						
5I Standard Cubic Foot						
DLMS Note:						
<i>Use for volume measured by Standard Cubic Foot defined as: One cubic foot of gas measured at a fixed temperature and pressure; the value used for the temperature and pressure varies depending on the type of gas being measured.</i>						
CF Cubic Feet						
DLMS Note:						
<i>Use for volume measured by cubic feet.</i>						

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 120	Max: 12
Detail - Optional	
Loop: HL	Elements: 4

User Option (Usage): Used

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

Syntax Rules:

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

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>
TD501	133	Routing Sequence Code	O	ID	1/2	Used
<p>Description: Code describing the relationship of a carrier to a specific shipment movement</p> <p>DLMS Note: 1. Use to identify each transportation leg which involves the loading of cargo onto a transportation device and its conveyance from one physical location to another.</p> <p>2. Equates to the Route Sequence Number in iRAPT.</p> <p>Code Name</p> <p>1 1st Carrier after Origin Carrier</p> <p>DLMS Note: DLMS enhancement for future use. Not available at this time.</p> <p>B Origin/Delivery Carrier (Any Mode)</p> <p>DLMS Note: For iRAPT Version 4.1, only Code B is valid.</p>						
TD502	66	Identification Code Qualifier	X	ID	1/2	Used
<p>Description: Code designating the system/method of code structure used for Identification Code (67)</p> <p>DLMS Note: Use to identify the carrier applicable to the identified transportation leg (per TD501) by SCAC.</p> <p>Code Name</p> <p>2 Standard Carrier Alpha Code (SCAC)</p>						
TD503	67	Identification Code	X	AN	2/80	Used
<p>Description: Code identifying a party or other code</p>						

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

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

Federal Note: Use any code to identify the mode of shipment. DLMS users see the Transportation Mode of Shipment Conversion Table for available codes.

TD4 Carrier Details (Special Handling, or Hazardous Materials, or Both)

Pos: 140	Max: 5
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

Purpose: To specify transportation special handling requirements, or hazardous materials information, or both

Syntax Rules:

1. C0203 - If TD402 is present, then TD403 is required.
2. R010204 - At least one of TD401, TD402 or TD404 is required.

Semantics:

1. TD405 identifies if a Material Safety Data Sheet (MSDS) exists for this product. A "Y" indicates an MSDS exists for this product; an "N" indicates an MSDS does not exist for this product.

Federal Note:

For iRAPT, Use to specify transportation special handling requirements, or hazardous materials information or both.

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>
TD401	152	Special Handling Code	X	ID	2/3	Used

Description: Code specifying special transportation handling instructions

DLMS Note: *For iRAPT, the following codes are authorized for use in the line item loop, HL03=l. Use as applicable to identify items requiring special handling due to perishable, refrigerated, hazardous, or other characteristics.*

Code Name

ED Excessive Dimensions

DLMS Note:

Equipment exceeds operating restrictions but is not considered high/wide in interline movement.

EE Electronic Equipment Transfer

EL Environmental Control Limits

DLMS Note:

The items contained in the shipment are subject to environmental controls whose limits are specified in the contract.

EW Excessive Weight

EX Explosive Flammable Gas

FG Flammable Gas

FL Flammable

FR Fragile - Handle with Care

HM Endorsed as Hazardous Material

OV Overweight

RM Radioactive Material

SH Shiftable Load

BKA Bulky Article

BU2 Bunker Adjustment - 20 Foot Container

BU4 Bunker Adjustment - 40 Foot Container

DOC Documentation - Special

DLMS Note:

Carrier creates special shipper documentation.

FAS Firearms

KMD Keep Material Dry

Code Name

MOT Other

DLMS Note:

Must use with TD404 to describe the special package marking/special handling requirements when not addressed by available TD401 codes.

MRF Refrigerated

ONC Use No Hooks

ONS Not Restricted Cargo

OPR Perishable

OTC Temperature Control

SCC Special Containers

DLMS Note:

The additional service charge or order for a transportation carrier to use specially constructed containers for oversized or fragile items as part of a household goods shipment.

SMP Small Package

STA Conductivity/Anti-static Additive

TD404	352	Description	X	AN	1/80	Used
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Description: A free-form description to clarify the related data elements and their content

Federal Note: *Use only when special handling instructions or additional information about the shipment needs to be provided in free form text.*

DLMS Note: *Must use to describe the special package marking/special handling requirements when TD401=MOT (Other).*

REF Reference Identification

Pos: 150	Max: >1
Detail - Optional	
Loop: HL	Elements: 3

User Option (Usage): Used

Purpose: To specify identifying information

Syntax Rules:

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

Semantics:

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

Element Summary:

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

Description: Code qualifying the Reference Identification

DLMS Note: Up to two secondary transportation identification numbers may be provided for each transportation leg (per TD501). For iRAPT Version 4.1 only one transportation leg may be identified. Field length for secondary transportation identification numbers in iRAPT may not exceed 30 characters.

Code Name

08 Carrier Assigned Package Identification Number

DLMS Note:

This is authorized as a secondary transportation identification numbers in iRAPT. Use to identify carrier package tracking number when carrier is other than the United States Postal Service. Recommended this be use in conjunction with identification of the carrier identification by Standard Carrier Alpha Code (SCAC).

0L Referenced By

DLMS Note:

Use to describe the type of secondary transportation identification number associated with the value cited as Other Unlisted Transportation Number (REF01=XY Other Unlisted Type of Reference Number)

12 Billing Account

Federal Note:

Use to identify the Authorization Accounting Activity (AAA).

2E Foreign Military Sales Case Number

DLMS Note:

1. Use in the shipment loop, HL03=S, to identify three-position Security Cooperation (SC) Case Designator.

2. Within the iRAPT application this element is used to construct the "Foreign Military Sales Case Number" which is the concatenation of the SC Customer Code, SC Implementing Agency Code, and SC Case Designator structured as XX-X-XXXX.

93 Funds Authorization

DLMS Note:

Applicable to Line Item loop. Use to indicate the Standard Document Number. Length is 1-30.

AI Associated Invoices

DLMS Note:

Applicable to Shipment loop. When used REF03 will reflect the associated invoice date in CCYYMMDD format.

AW Air Waybill Number

DLMS Note:

Code Name

	<i>This is authorized as a secondary transportation identification numbers in iRAPT. Use to identify the shipment unit air waybill number.</i>
AX	Government Accounting Class Reference Number (ACRN) DLMS Note: <i>Applicable to Line Item loop. Future enhancement to allow multiple ACRNS. When the future multiple ACRN is implemented, REF03 will contain the amount associated with the ACRN.</i>
BL	Government Bill of Lading DLMS Note: <i>Applicable to Shipment loop. Use to identify the shipment unit Government bill of lading number</i>
BM	Bill of Lading Number DLMS Note: <i>Applicable to Shipment loop. Use to identify the shipment unit commercial bill of lading number.</i>
BN	Booking Number DLMS Note: <i>This is authorized as a secondary transportation identification numbers in iRAPT. Use to identify shipment unit "Sealift Booking Number."</i>
CN	Carrier's Reference Number (PRO/Invoice) DLMS Note: <i>Use to identify the "PRO/Invoice Number." A PRO or invoice number is a progressively sequential numbering system generated by commercial carriers to identify freight bills.</i>
DD	Document Identification Code Federal Note: <i>Use to identify the Government Micro-Purchase Reference.</i> DLMS Note: <i>Use by the Government submitter to provide a value associated with a micro-purchase where no procurement document number is otherwise assigned.</i>
DO	Delivery Order Number Federal Note: <i>For iRAPT, use to indicate a delivery order is being corrected. The vendor will enter the Delivery Order Number of the immediately preceding Corrected Receiving Report or Receiving Report, to which this correction applies.</i>
FI	File Identifier DLMS Note: <i>This is authorized as a secondary transportation identification numbers in iRAPT. Use to identify the "Port Call File Number (PCFN)." This is a sealift identifier generated and assigned by the Integrated Booking System to uniquely identify a booking; sometimes referred to as the government's booking number.</i>
FS	Final Sequence Number Federal Note: <i>For iRAPT, use in Shipment loop (HL03 Code S) to identify the Final Shipment Indicator. Enter 'Y' in REF02 to identify that the transaction is a Final Shipment. Enter 'N' if the transaction is not final.</i>
IZ	Insured Parcel Post Number DLMS Note: <i>This is authorized as a secondary transportation identification numbers in iRAPT. Use to identify the shipment unit insured parcel post number.</i>
JH	Tag DLMS Note: <i>Use in RFID/Pack loops to identify the RFID tag value at the applicable pack level (i.e., palletized unit load, exterior container, or IUID packaging). Cite the RFID in the REF03.</i>
K2	Certified Mail Number DLMS Note: <i>This is authorized as a secondary transportation identification numbers in iRAPT. Use to identify the shipment unit certified mail number.</i>
K3	Registered Mail Number DLMS Note:

Code Name

This is authorized as a secondary transportation identification numbers in iRAPT. Use to identify the shipment unit registered parcel post number.

KL Contract Reference

Federal Note:

1. For a Contract Data Requirements List data item, use to indicate the reference in the contract that generates the requirement for the data item, e.g., Statement of Work paragraph.

2. For iRAPT, use to indicate a Contract Number Type. Cite the applicable code in REF02.

- A - Cooperative Agreement
- B - DoD Contract (FAR)
- C - DoD Contract (Non-FAR)
- D - Grant
- E - Intragovernmental
- F - Intergovernmental
- G - International Agreement
- I - Non-DoD Contract (FAR)
- J - Non-DoD Contract (Non-FAR)
- K - Other Agreement
- S - Uniform PIID (FAR 4.16)

LA Shipping Label Serial Number

DLMS Note:

Use to identify the fixed-length 18 character Serial Shipping Container Code (SSCC) used by NATO partners to track shipment units. Only one SSCC per ASN is authorized.

LT Lot Number

DLMS Note:

Use with HL03=PH to identify a batch or lot number for a product produced at one time under the same manufacturing conditions. The field length for batch or lot number is limited to 20 characters.

P1 Previous Contract Number

DLMS Note:

For iRAPT, use to indicate a procurement instrument identifier (PIID) is being corrected. The vendor will enter the PIID of the immediately preceding Corrected Receiving Report or Receiving Report, to which this correction applies.

P4 Project Code

DLMS Note:

Use in the line item loop, HL03=I, to identify the MILSTRIP Project Code.

RE Release Number

DLMS Note:

Applicable to Shipment loop. Indicate Y in REF02 when Alternate Release Procedures (ARP) are applicable.

RQ Purchase Requisition No.

DLMS Note:

Applicable only to the Line Item Loop. Use to identify the Purchase Request Number. (Do not use for the requisition document number which is mapped to Qualifier Code TN, Transaction Reference Number.)

TG Transportation Control Number (TCN)

DLMS Note:

The TCN is a 17-character data element assigned to control and manage every shipment unit throughout the transportation pipeline. The TCN for each shipment is unique and not duplicated. Only one TCN per ASN is authorized.

TH Transportation Account Code (TAC)

DLMS Note:

Use in the shipment loop, HL03=S. The Transportation Account Code is a data element used to identify the appropriation or user responsible for paying the transportation costs.

U3 Unique Supplier Identification Number (USIN)

DLMS Note:

1. Use in IUID loop to identify the UII value. Cite the UII in REF03. Cite the serial number, when applicable, in REF02.

CLD Load Detail

Pos: 170	Max: 1
Detail - Mandatory	
Loop: CLD	Elements: 4

User Option (Usage): Must use

Purpose: To specify the number of material loads shipped

Syntax Rules:

1. C0504 - If CLD05 is present, then CLD04 is required.

Semantics:

1. CLD05 is used to dimension the value given in CLD04.

Comments:

1. The CLD data segment may be used to provide information to aid in the preparation of move tags and/or bar coded labels.

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>
CLD01	622	Number of Loads	M	NO	1/5	Must use
Description: Number of customer-defined loads shipped by the supplier						
DLMS Note: <i>Cite 1 for ANSI syntax.</i>						
CLD02	382	Number of Units Shipped	M	R	1/10	Must use
Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set						
Federal Note: <i>Indicate the quantity of the item shipped for the requisition number cited in the REF segment.</i>						
CLD04	357	Size	X	R	1/8	Used
Description: Size of supplier units in pack						
Federal Note: <i>When used to relate quantity shipped to one or more requisition numbers, enter 1 (one) to satisfy syntax requirements.</i>						
CLD05	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
Federal Note: <i>Use any code, other than code ZZ, however, it must be the same code used in the Contract Line Item Number description for the contract contained in the LIN segment.</i>						
DLMS Note: <i>DLMS users see the Unit of Issue and Purchase Unit Conversion Table for available codes.</i>						
All valid standard codes are used.						

REF Reference Identification

Pos: 180	Max: 200
Detail - Optional	
Loop: CLD	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.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use
Description: Code qualifying the Reference Identification						
Code Name						
TN Transaction Reference Number						
Federal Note:						
<i>Use to indicate the transaction number (i.e., the requisition number).</i>						
REF02	127	Reference Identification	X	AN	1/30	Used
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						
REF04	C040	Reference Identifier	O	Comp		Used
Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier						
REF04-01	128	Reference Identification Qualifier	M	ID	2/3	Must use
Description: Code qualifying the Reference Identification						
Code Name						
W8 Suffix						
Federal Note:						
<i>Use with REF01 code TN, if applicable, to cite a suffix associated with the cited requisition (document) number.</i>						
REF04-02	127	Reference Identification	M	AN	1/30	Must use
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use

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

Federal Note: Use only one code except for bulk petroleum shipments which may cite codes 011 and 375 together, if applicable.

Code Name

011 Shipped

Federal Note:

Use to indicate that a supply activity has shipped (i.e., the date a shipment was released to a carrier).

017 Estimated Delivery

139 Estimated

Federal Note:

Use to indicate the estimated date when a supply will be shipped, (i.e., the estimated date a shipment will be released to a carrier).

198 Completion

DLMS Note:

Use to indicate date completed for services rendered.

201 Acceptance

245 Estimated Completion

Federal Note:

Use to identify the estimated date that a service will be completed or performed.

511 Shelf Life Expiration

DLMS Note:

Use with HL03=PH to provide the shelf-life expiration date.

517 Inspected

DLMS Note:

May be used to identify the inspection date when inspection does not occur at the same location responsible for acceptance.

DTM02	373	Date	X	DT	8/8	Used
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Description: Date expressed as CCYYMMDD

FOB F.O.B. Related Instructions

Pos: 210	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

Purpose: To specify transportation instructions relating to shipment

Syntax Rules:

1. C0302 - If FOB03 is present, then FOB02 is required.
2. C0405 - If FOB04 is present, then FOB05 is required.
3. C0706 - If FOB07 is present, then FOB06 is required.
4. C0809 - If FOB08 is present, then FOB09 is required.

Semantics:

1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.
3. FOB06 is the code specifying the title passage location.
4. FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

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>
FOB01	146	Shipment Method of Payment	M	ID	2/2	Must use
Description: Code identifying payment terms for transportation charges						
Code Name						
DF Defined by Buyer and Seller						
FOB02	309	Location Qualifier	X	ID	1/2	Used
Description: Code identifying type of location						
Code Name						
DE Destination (Shipping)						
IT Intermediate FOB Point						
OR Origin (Shipping Point)						

N1 Name

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

User Option (Usage): Used

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

Syntax Rules:

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

Must use at least one iteration of this N1 segment to identify the organization to receive the transaction (N106 code TO with appropriate N101 code). May use additional iterations to identify other organizations associated with the 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>
N101	98	Entity Identifier Code	M	ID	2/3	Must use

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

Code Name

BY Buying Party (Purchaser)

DLMS Note:

This is the contracting office that issued the contract identified by DoDAAC.

C4 Contract Administration Office

Federal Note:

Use to identify the Administered By activity.

CJ Automated Data Processing (ADP) Point

DLMS Note:

Use to identify iRAPT as the transaction originator.

KK Registering Party

DLMS Note:

Use to identify the Component UIT registry. May be used by a Component when their UIT process requires that a copy of the transaction also be sent to a UIT registry for information purposes. Must be used with 2/N106/220 code 'PK-Party to Receive Copy' to identify that this is only an information copy of the transaction, for use with the Component UIT registry.

KZ Acceptance Location

Federal Note:

Use to indicate acceptance is at other than origin or destination.

L1 Inspection Location

Federal Note:

Use to indicate the inspection location when it has to be described as an address.

PO Party to Receive Invoice for Goods or Services

Federal Note:

Use to indicate where the invoice should be sent.

DLMS Note:

This is the Local Processing Official (LPO) identified by DoDAAC; not applicable on MOCAS or SAMMS/BSM paid contracts.

PR Payer

<u>Code</u>	<u>Name</u>
	<p>Federal Note: <i>Use to identify the Payment Will be Made by Activity.</i></p> <p>DLMS Note: <i>This is the Defense Finance and Accounting Service (DFAS) office responsible for payment identified by DoDAAC.</i></p>
SE	Selling Party
	<p>Federal Note: <i>Use to identify the Prime Contractor.</i></p>
SF	Ship From
	<p>Federal Note: <i>Use to indicate the Ship From activity (shipping point).</i></p>
ST	Ship To
	<p>Federal Note: <i>Use to indicate the Ship-to location. Do not use for service line items when there is no shipment of materiel.</i></p>
SU	Supplier/Manufacturer
	<p>DLMS Note: <i>For DMLSS, if a batch/lot is provided in REF/150 of PH Loop, the actual Manufacturer must be provided---either by using this N1 segment in PH Loop or also using the REF01/150 ZM Code with text name of manufacturer. The manufacturer may be identified by CAGE, DUNS or DUNS + 4.</i></p>
SV	Service Performance Site
	<p>Federal Note: <i>Use to identify the performance location if other than the contractor's site (e.g., the Quality Assurance Representative's site). Use as many occurrences as necessary to cite if applicable, multiple performance locations.</i></p>
Z7	Mark-for Party

N103 66 **Identification Code Qualifier** X ID 1/2 Used

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

<u>Code</u>	<u>Name</u>
1	D-U-N-S Number, Dun & Bradstreet
9	D-U-N-S+4, D-U-N-S Number with Four Character Suffix
10	Department of Defense Activity Address Code (DODAAC)
33	Commercial and Government Entity (CAGE)
A2	Military Assistance Program Address Code (MAPAC)
	<p>Federal Note: <i>Use to identify a Foreign Military Sale/Grant Aid Ship-To or Mark-For address. Use when N101 is code ST.</i></p>
UR	Uniform Resource Locator (URL)
	<p>DLMS Note: <i>Use when appropriate to identify the Component UIT registry.</i></p>
ZZ	Mutually Defined
	<p>DLMS Note: <i>Use to identify iRAPT as the transaction originator.</i></p>

N104 67 **Identification Code** X AN 2/80 Used

Description: Code identifying a party or other code

Federal Note: *Use to cite the actual Dun and Bradstreet, Dun and Bradstreet + 4, Department of Defense Activity Address Code, Contractor and Government Entity Code or Military Assistance Program Address Code of the activity cited in N101, as signaled in N103.*

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N106	98	Entity Identifier Code	O	ID	2/3	Used

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

Code Name

FR Message From

Federal Note:

Use to indicate that the organization cited in N104 transmitted the transaction set.

PK Party to Receive Copy

DLMS Note:

Use when appropriate to send an information copy of the transaction to a Component UIT registry. For use with N101 code KK.

TO Message To

Federal Note:

Use to indicate that the organization cited in N104 is to receive the transaction set.

N2 Additional Name Information

Pos: 230	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify additional names or those longer than 35 characters in length

DLMS Note:

Not applicable to initial DLMS implementation (intended for future use to provide clear-text ship-to addresses when either DoDAAC or proper associated address is not available for direct vendor delivery).

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>
N201	93	Name	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	Name	O	AN	1/60	Used
		Description: Free-form name				

N3 Address Information

Pos: 240	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Purpose: To specify the location of the named party

DLMS Note:

Not applicable to initial DLMS implementation (intended for future use to provide clear-text ship-to addresses when either DoDAAC or proper associated address is not available for direct vendor delivery).

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>
N301	166	Address Information	M	AN	1/55	Must use
		Description: Address information				
N302	166	Address Information	O	AN	1/55	Used
		Description: Address information				

N4 Geographic Location

Pos: 250	Max: 1
Detail - Optional	
Loop: N1	Elements: 6

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

DLMS Note:

Not applicable to initial DLMS implementation (intended for future use to provide clear-text ship-to addresses when either DoDAAC or proper associated address is not available for direct vendor delivery).

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>
N401	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
		Federal Note: Do not use a dash in the zip code.				
N404	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
		DLMS Note: Use to identify the country. See DLMS introductory note 8 (Refer to ADC 1075 for implementation).				
N405	309	Location Qualifier	X	ID	1/2	Used
		Description: Code identifying type of location				
		Code Name				
		AR	Armed Services Location Designation			
		Federal Note:				
		Use to indicate an Army Post Office (APO) or a Fleet Post Office (FPO)				
N406	310	Location Identifier	X	AN	1/30	Used
		Description: Code which identifies a specific location				

PER Administrative Communications Contact

Pos: 270	Max: 3
Detail - Optional	
Loop: N1	Elements: 4

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.

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>
PER01	366	Contact Function Code	M	ID	2/2	Must use
		Description: Code identifying the major duty or responsibility of the person or group named				
		Code Name				
		IC Information Contact				
PER02	93	Name	O	AN	1/60	Used
		Description: Free-form name				
PER03	365	Communication Number Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of communication number				
		Code Name				
		TE Telephone				
PER04	364	Communication Number	X	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				

SDQ Destination Quantity

Pos: 290	Max: 50
Detail - Optional	
Loop: HL	Elements: 22

User Option (Usage): Used

Purpose: To specify destination and quantity detail

Syntax Rules:

1. P0506 - If either SDQ05 or SDQ06 is present, then the other is required.
2. P0708 - If either SDQ07 or SDQ08 is present, then the other is required.
3. P0910 - If either SDQ09 or SDQ10 is present, then the other is required.
4. P1112 - If either SDQ11 or SDQ12 is present, then the other is required.
5. P1314 - If either SDQ13 or SDQ14 is present, then the other is required.
6. P1516 - If either SDQ15 or SDQ16 is present, then the other is required.
7. P1718 - If either SDQ17 or SDQ18 is present, then the other is required.
8. P1920 - If either SDQ19 or SDQ20 is present, then the other is required.
9. P2122 - If either SDQ21 or SDQ22 is present, then the other is required.

Semantics:

1. SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21.

Comments:

1. SDQ02 is used only if different than previously defined in the transaction set.
2. SDQ03 is the store number.
3. SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions.

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>
SDQ01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
<p>Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken</p> <p>Federal Note: Use Code ZZ as filler in 2/HL/010 RFID loops to satisfy the X12 standards syntax.</p> <p>Code Name ZZ Mutually Defined</p>						
SDQ03	67	Identification Code	M	AN	2/80	Must use
<p>Description: Code identifying a party or other code</p> <p>Federal Note: Use in 2/HL/10 RFID/Pack loop to associate a CLIN/SubCLIN/ELIN with the RFID tag value.</p> <p>DLMS Note: Use subsequent code/quantity pairs as needed.</p>						
SDQ04	380	Quantity	M	R	1/15	Must use
<p>Description: Numeric value of quantity</p> <p>Federal Note: Use in 2/HL/10 RFID loop to identify the quantity of the SDQ03 line item contained in the pack layer identified by parent RFID loop.</p>						
SDQ05	67	Identification Code	X	AN	2/80	Used
<p>Description: Code identifying a party or other code</p>						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SDQ06	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ07	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ08	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ09	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ10	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ11	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ12	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ13	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ14	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ15	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ16	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ17	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ18	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ19	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ20	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ21	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
SDQ22	380	Quantity Description: Numeric value of quantity	X	R	1/15	Used
SDQ23	310	Location Identifier Description: Code which identifies a specific location	O	AN	1/30	Used

CUR Currency

Pos: 310	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. C1110 - If CUR11 is present, then CUR10 is required.
4. C1210 - If CUR12 is present, then CUR10 is required.
5. C1413 - If CUR14 is present, then CUR13 is required.
6. C1513 - If CUR15 is present, then CUR13 is required.
7. C1716 - If CUR17 is present, then CUR16 is required.
8. C1816 - If CUR18 is present, then CUR16 is required.
9. C2019 - If CUR20 is present, then CUR19 is required.
10. C2119 - If CUR21 is present, then CUR19 is required.
11. L101112 - If CUR10 is present, then at least one of CUR11 or CUR12 is required.
12. L131415 - If CUR13 is present, then at least one of CUR14 or CUR15 is required.
13. L161718 - If CUR16 is present, then at least one of CUR17 or CUR18 is required.
14. L192021 - If CUR19 is present, then at least one of CUR20 or CUR21 is required.

Comments:

1. See Figures Appendix for examples detailing the use of the CUR segment.

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>
CUR01	98	Entity Identifier Code	M	ID	2/3	Must use
Description: Code identifying an organizational entity, a physical location, property or an individual						
Code Name						
BY Buying Party (Purchaser)						
CUR02	100	Currency Code	M	ID	3/3	Must use
Description: Code (Standard ISO) for country in whose currency the charges are specified						
DLMS Note: Use to identify Foreign Currency.						

SAC Service, Promotion, Allowance, or Charge Information

Pos: 320	Max: 1
Detail - Mandatory	
Loop: SAC	Elements: 2

User Option (Usage): Must use

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

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>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use

Description: Code which indicates an allowance or charge for the service specified

Code Name

N No Allowance or Charge

DLMS Note:

Use with code B020 in SAC02 to indicate a shipment is made under Certificate of Conformance terms.

SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Used
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Description: Code identifying the service, promotion, allowance, or charge

Code Name

B020 Certificate of Conformance

DLMS Note:

Use to indicate when contract terms provide for use of Certificate of Conformance, and shipment is

Code Name

made under those terms.

LM Code Source Information

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

User Option (Usage): Must use

Purpose: To transmit standard code list identification information

Comments:

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LM01	559	Agency Qualifier Code	M	ID	2/2	Must use

Description: Code identifying the agency assigning the code values

Code Name

DF Department of Defense (DoD)

LQ Industry Code

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

User Option (Usage): Used

Purpose: Code to transmit standard industry codes

Syntax Rules:

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

Element Summary:

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

Description: Code identifying a specific industry code list

Code Name

0 Document Identification Code

6 Special Contract Provision Code

Federal Note:

Use to indicate special contract provisions applicable to the shipment.

7 Quality Assurance Site Code

Federal Note:

Use to indicate the quality assurance performance location.

8 Acceptance Site Code

Federal Note:

Use to indicate the acceptance site.

10 Transaction Status Indicator Code

Federal Note:

Use to identify the status of supply and service shipment notices.

14 Contract Shipment Advice Code

Federal Note:

Use as required to identify contract shipment advice information for supply and service shipment notices.

16 Cash Discount Stipulation Code

Federal Note:

Use to indicate that a shipment involves discount payment terms.

GQ Group Qualifier Code

DLMS Note:

Use to identify the Material Management Aggregation Code (MMAC) for NSNs to be managed by a specific manager (i.e., system, program, aggregation, selected FSC, technology group). This is an Air Force-unique data element, meaningful to the Air Force only. Non-Air Force Components perpetuate without action.

A data maintenance action was approved in version 5010. The approved code/name is "MAC – Material Management Aggregation Code". The code source is identified as the Air Force Manual (AFMAN) 23-110, Volumes 1 and 2.

COG Cognizance Symbol

DLMS Note:

1. 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.

2. DLMS enhancement.

MCC Material Control Code

DLMS Note:

Code Name

- 1. 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.
- 2. DLMS enhancement.

SMI Special Material Identification Code

DLMS Note:

- 1. 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.
- 2. DLMS enhancement.

LQ02 1271 Industry Code X AN 1/30 Used

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

Federal Note: 1. When preparing an internal Department of Defense transaction, and when LQ01 cites code 0, cite one of document identifier codes PJJ, PJR or PK5.

2. When preparing a Defense Logistics Management Standards destination acceptance alert, and when LQ01 is code 6, use only code A (Liquidated Damages). For others, use as many of these codes as are appropriate: A (Liquidated Damages), E (Government furnished property was part of the contract) or K (Bond bailment for DPSC clothing contracts).

3. When preparing a Defense Logistics Management Standards destination acceptance alert, and when LQ01 is code 7, use one of these codes: D (Destination) or S (Origin, Source).

4. When preparing a Defense Logistics Management Standards destination acceptance alert, and when LQ01 is code 8, use one of these codes: D (Destination) or S (Origin, Source).

5. When preparing a Defense Logistics Management Standards shipment performance notice, and when LQ01 is code 10, use as many of these codes as applicable: G (Ship-To code differs from contract), H (Stock number/part number differs from contract), L (MILSTRIP document number differs from contract), P (Final quantity shipped exceeds quantity variance for the cited CLIN), Q (Mark-for differs from contract), S (Two or more of the ship-to, mark-for, MILSTRIP document number do not match the contract), T (Quantity shipped exceed the on-order quantity and the stock/part number differ from the contract).

6. When preparing a Defense Logistics Management Standards shipment performance notice, and when LQ01 is code 14, use, as applicable only one of the codes: A (Components missing), B (Missing components furnished), C (Quantity increase), D (Quantity decrease), E (Replacement shipment), F (Shipped and held in bond at contractor's plant), G (Shipped and held as GFP), H (Shipped or performed as indicated), and Z (Underrun quantity). While multiple codes can be transmitted, only one will be converted to an 80-column record in the Defense Logistics Management Standards.

7. When LQ01 is code 16, use one of the following codes: D (Discount), or N (No discount).

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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SE Transaction Set Trailer

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

User Option (Usage): Used

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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	NO	1/10	Must use
		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
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				
		Federal Note: <i>Cite the same number as the one cited in ST02.</i>				