

870 Order Status Report

Functional Group=RS

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Order Status Report Transaction Set (870) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to report on the current status of a requirement forecast, an entire purchase order, selected line items on a purchase order, selected products/services on a purchase order, or purchase orders for a specific customer in their entirety or on a selection basis. The transaction set can also be used to report on the current status of single or multiple requisitions. The report format allows for the inclusion of "reasons" relative to the status. This transaction set may also be used to update the supplier's scheduled shipment or delivery dates. This transaction set can result from either an inquiry or a prearranged schedule agreed to by the trading partners.

DLMS Note:

1. *Country Representatives/Freight Forwarders (CRs/FFs) use this transaction set to respond to a Foreign Military Sales (FMS) Notice of Availability (NOA) providing shipment instructions for materiel reported available for shipment.*
2. *Users operating under the Defense Logistics Management Standards (DLMS) must reference DoD/ASC X12 Conversion Guides for Unit of Materiel Measure, Type of Pack and Transportation Method/Type Code, which can be found on the Defense Enterprise Data Standards Office (DEDSO) Website at www.dla.mil/does/DLMS.*
3. *This DLMS Implementation Convention (IC) contains:*
 - a. *Data associated with a DLMS enhancement which may not be received or understood by the recipient's automated processing system. DLMS procedures may not have been developed. Components must coordinate requirements and business rules with DEDSO prior to use.*
 - b. *Data associated with an Approved Change which may not have an established implementation date. This data may not be received or understood by the recipient's automated processing system. Components must coordinate implementation with DEDSO prior to use.*
 - c. *Legacy MILSTRIP data which must be retained in the DLMS for a transition period to support transaction conversion in a mixed legacy MILSTRIP/DLMS environment. This data will be streamlined out once full DLMS implementation is reached. Components may coordinate with DEDSO for early termination (or retention) of specific data requirements for users operating in a full DLMS environment.*
 - d. *Data elements which have an expanded files size above existing legacy MILSTRIP capability which may not be supported by the recipient's automated processing system. Components must coordinate implementation with DEDSO prior to use.*
 - e. *Data associated with a DLMS enhancement authorized for implementation by modernized systems under DLMS migration. This data (including expanded field sizes) should be adopted during, or subsequent to, modernization when applicable to the Component's business process. Prior coordination is not required. Components should ensure that inclusion of this data in a DLMS transaction does not cause inappropriate rejection of the transaction.*
4. *Effective April 1, 2014, refer to ADC 1075. Users must reference the GENC Standard for country codes (<https://nsgreg.nga.mil/genc/discovery>) for a listing of authorized values. Under DLMS, use the GENC Digraph (two-character).*
5. *This revision to the DLMS IC incorporates Proposed DLMS Changes (PDCs) and Approved DLMS Changes (ADCs) listed. PDCs and ADCs are available from the DEDSO Web site: <http://www.dla.mil/HQ/InformationOperations/DLMS/eLibrary/Changes/processchanges/>*
 - ADC 309, NOA and NOA Reply Transaction Data Content/Mapping including Addition of Type Pack Code for 463L Pallets
 - ADC 436, Administrative Revisions to DLMS Supplements to Remove Obsolete Routing Identifier Code (RIC) "Streamline" Notes and Update MILSTRIP/DLMS Documentation Associated with Routing Identifiers
 - 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
 - Organizational Name and Other Non-Substantive (Administrative) Updates Completed on June 05, 2014
 - ADC 1043C, Administrative Corrections for SLOA Data in the 810L Logistics Bill and other DLMS ICs
 - ADC 1098, Updates to DD Form 1348-5 Notice of Availability (NOA) and Corresponding DLMS 856N NOA and 870N NOA Reply
 - Administrative Update to Reflect Realignment of DLMS Program Office to Enterprise Business Standards Office (EBSO) - Completed on April 21, 2020
 - ADC 1353, Transportation Method and Transportation Mode Codes on all DLMS ICs
 - ADC 1367, Administrative Update to Convert Federal Notes to DLMS Notes within DLMS Implementation Conventions
 - ADC 1370, Administrative Update to Change Data Element N106 Usage from Must Use to Used
 - Administrative Update to Reflect Realignment of Enterprise Business Standards Office (EBSO) to Defense Enterprise Data Standards Office (DEDSO) - Completed on March 16, 2022
 - ADC 1412, Replacement of Data Universal Numbering System Number with Unique Entity Identifier and Electronic Funds Transfer Indicator to Wide Area Workflow

Heading:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Notes</u> | <u>Usage</u> |
|------------------------|-----------|---|------------|----------------|---------------|--------------|--------------|
| 10 | ST | Transaction Set Header | M | 1 | | | Must use |
| 20 | BSR | Beginning Segment for Order Status Report | M | 1 | | | Must use |
| * 42 | TD3 | Carrier Details (Equipment) | O | 1 | | | Not Used |
| * 43 | TD4 | Carrier Details (Special Handling, or Hazardous Materials, or Both) | O | 1 | | | Not Used |
| 44 | TD5 | Carrier Details (Routing Sequence/Transit Time) | O | 1 | | | Used |
| * 45 | DTM | Date/Time Reference | O | 10 | | | Not Used |
| * LOOP ID - REF | | | | | ≥1 | | |
| * 46 | REF | Reference Identification | O | 1 | | | Not Used |
| * 47 | DTM | Date/Time Reference | O | >1 | | | Not Used |
| LOOP ID - N1 | | | | | 200 | | |
| 50 | N1 | Name | O | 1 | | | Must use |
| * 60 | N2 | Additional Name Information | O | 2 | | | Not Used |
| * 70 | N3 | Address Information | O | 2 | | | Not Used |
| * 80 | N4 | Geographic Location | O | 1 | | | Not Used |
| * 90 | REF | Reference Identification | O | 12 | | | Not Used |
| * 100 | PER | Administrative Communications Contact | O | 3 | | | Not Used |
| * 105 | PWK | Paperwork | O | 1 | | | Not Used |
| * LOOP ID - LM | | | | | 10 | | |
| * 120 | LM | Code Source Information | O | 1 | | | Not Used |
| 130 | LQ | Industry Code | M | 100 | | | Must use |

Detail:

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Notes</u> | <u>Usage</u> |
|------------------------|-----------|---------------------------------------|------------|----------------|---------------|--------------|--------------|
| LOOP ID - HL | | | | | 1000 | | |
| 10 | HL | Hierarchical Level | M | 1 | | | Must use |
| * 20 | PRF | Purchase Order Reference | O | 1 | | | Not Used |
| * LOOP ID - ISR | | | | | 104 | | |
| * 30 | ISR | Item Status Report | O | 1 | | | Not Used |
| * 40 | PID | Product/Item Description | O | 6 | | | Not Used |
| * 50 | QTY | Quantity | O | 4 | | | Not Used |
| * 70 | PER | Administrative Communications Contact | O | 3 | | | Not Used |
| 80 | DTM | Date/Time Reference | O | 10 | | | Used |
| * 86 | CS | Contract Summary | O | 3 | | N2/86 | Not Used |
| LOOP ID - REF | | | | | ≥1 | | |
| 87 | REF | Reference Identification | O | 1 | | | Must use |
| * 88 | DTM | Date/Time Reference | O | >1 | | | Not Used |
| LOOP ID - N1 | | | | | 200 | | |
| 90 | N1 | Name | O | 1 | | | Must use |
| 100 | N2 | Additional Name Information | O | 2 | | | Used |
| 110 | N3 | Address Information | O | 2 | | | Used |
| 120 | N4 | Geographic Location | O | 1 | | | Used |
| * 130 | REF | Reference Identification | O | 12 | | | Not Used |
| 140 | PER | Administrative Communications Contact | O | 3 | | | Used |
| LOOP ID - LM | | | | | 10 | | |
| 144 | LM | Code Source Information | O | 1 | | | Used |
| 145 | LQ | Industry Code | M | 100 | | | Must use |

| <u>Pos</u> | <u>Id</u> | <u>Segment Name</u> | <u>Req</u> | <u>Max Use</u> | <u>Repeat</u> | <u>Notes</u> | <u>Usage</u> |
|------------------------|-----------|---|------------|----------------|---------------|----------------|--------------|
| * LOOP ID - PO1 | | | | | 1000 | | |
| * 150 | PO1 | Baseline Item Data | O | 1 | | | Not Used |
| * 155 | CUR | Currency | O | 1 | | | Not Used |
| * 160 | SLN | Subline Item Detail | O | 100 | | | Not Used |
| * 170 | PO3 | Additional Item Detail | O | 1 | | | Not Used |
| * 180 | PID | Product/Item Description | O | 1000 | | | Not Used |
| * 190 | MEA | Measurements | O | 40 | | | Not Used |
| * 200 | PKG | Marking, Packaging, Loading | O | 25 | | | Not Used |
| * LOOP ID - ISR | | | | | 104 | | |
| * 210 | ISR | Item Status Report | O | 1 | | | Not Used |
| * 220 | PID | Product/Item Description | O | 6 | | | Not Used |
| * 230 | QTY | Quantity | O | 4 | | | Not Used |
| * 240 | DTM | Date/Time Reference | O | 10 | | | Not Used |
| * 250 | N1 | Name | O | 1 | | | Not Used |
| * 251 | N2 | Additional Name Information | O | 2 | | | Not Used |
| * 252 | N3 | Address Information | O | 2 | | | Not Used |
| * 253 | N4 | Geographic Location | O | 1 | | | Not Used |
| * 260 | TD1 | Carrier Details (Quantity and Weight) | O | 1 | | | Not Used |
| * 270 | TD5 | Carrier Details (Routing Sequence/Transit Time) | O | 1 | | | Not Used |
| * 280 | TD3 | Carrier Details (Equipment) | O | 1 | | | Not Used |
| * 290 | TD4 | Carrier Details (Special Handling, or Hazardous Materials, or Both) | O | 1 | | | Not Used |
| * 300 | REF | Reference Identification | O | 12 | | | Not Used |
| * 310 | SAC | Service, Promotion, Allowance, or Charge Information | O | 25 | | | Not Used |
| * LOOP ID - LM | | | | | 10 | | |
| * 320 | LM | Code Source Information | O | 1 | | | Not Used |
| 330 | LQ | Industry Code | M | 100 | | | Must use |
| * LOOP ID - LX | | | | | ≥1 | N2/340L | |
| * 340 | LX | Assigned Number | O | 1 | | N2/340 | Not Used |
| * 350 | REF | Reference Identification | O | >1 | | | Not Used |
| * 360 | N1 | Name | O | 1 | | | Not Used |
| * 370 | DTM | Date/Time Reference | O | 10 | | | Not Used |
| * LOOP ID - LM | | | | | 10 | | |
| * 380 | LM | Code Source Information | O | 1 | | | Not Used |
| 390 | LQ | Industry Code | M | 100 | | | Must use |

Summary:

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

Notes:

- 2/86 Use is limited to intra-organizational transactions.
- 2/340L The LX loop conveys serial number, lot number, and inventory data.
- 2/340 The LX loop conveys serial number, lot number, and inventory data.
- 3/10 The 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 quantities ordered (PO102) for each PO1 segment.

ST Transaction Set Header

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

User Option (Usage): Must use

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

Semantics:

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

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> | <u>Rep</u> |
|---|-----------|--|------------|-------------|----------------|--------------|------------|
| ST01 | 143 | Transaction Set Identifier Code | M | ID | 3/3 | Must use | 1 |
| Description: Code uniquely identifying a Transaction Set | | | | | | | |
| Code Name | | | | | | | |
| 870 Order Status Report | | | | | | | |
| ST02 | 329 | Transaction Set Control Number | M | AN | 4/9 | Must use | 1 |
| Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | | | | | | | |
| DLMS Note: <i>A unique number assigned by the originator of the transaction set, or the originator's application program.</i> | | | | | | | |

BSR Beginning Segment for Order Status Report

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

User Option (Usage): Must use

Purpose: To indicate the beginning of an Order Status Report Transaction Set

Semantics:

1. BSR03 indicates a status report document number assigned by the sender.
2. BSR04 indicates the date of this report from the sender.
3. BSR07 indicates the time of this report from the sender.
4. BSR08 indicates a status report document number assigned by the inquirer.
5. BSR09 indicates the date this report was requested from the sender by the inquirer.
6. BSR10 indicates the time this report was requested from the sender by the inquirer.

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> | <u>Rep</u> |
|--|-----------|---------------------------------|------------|-------------|----------------|--------------|------------|
| BSR01 | 850 | Status Report Code | M | ID | 1/2 | Must use | 1 |
| Description: Code indicating the reason for sending the report | | | | | | | |
| Code Name | | | | | | | |
| 8 Response to Notice of Availability | | | | | | | |
| BSR02 | 847 | Order/Item Code | M | ID | 1/2 | Must use | 1 |
| Description: Code identifying a group of orders and items | | | | | | | |
| Code Name | | | | | | | |
| CO All Orders - Unshipped Items | | | | | | | |
| DLMS Note: | | | | | | | |
| Use to indicate that all orders remain open. | | | | | | | |
| BSR03 | 127 | Reference Identification | M | AN | 1/30 | Must use | 1 |
| Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | | | | | |
| DLMS Note: Use Code "Z" for this data element to satisfy mandatory X12 syntax requirements. | | | | | | | |
| BSR04 | 373 | Date | M | DT | 8/8 | Must use | 1 |
| Description: Date expressed as CCYYMMDD | | | | | | | |
| DLMS Note: This date is the date of the transaction set preparation and corresponds to the Universal Time Coordinate (UTC). | | | | | | | |
| BSR07 | 337 | Time | O | TM | 4/8 | Must use | 1 |
| Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = | | | | | | | |

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> | <u>Rep</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|------------|
| | | hundredths (00-99) DLMS Note: 1. Express the originating activity's time of transaction set preparation in UTC. 2. Express time in a four-position (HHMM) format. | | | | | |
| BSR11 | 353 | Transaction Set Purpose Code Description: Code identifying purpose of transaction set Code Name 00 Original 77 Simulation Exercise DLMS Note: Use to identify a simulated mobilization exercise transaction set. Activities initiating simulated mobilization exercises must ensure complete coordination with all activities involved. All transaction set recipients must use extreme caution to ensure that individual transactions do not process as action documents which affect accountable records. | O | ID | 2/2 | Must use | 1 |

TD5 Carrier Details (Routing Sequence/Transit Time)

| | |
|---------------------------|--------------------|
| Pos: 44 | Max: 1 |
| Heading - Optional | |
| Loop: N/A | Elements: 5 |

User Option (Usage): Used

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

Syntax Rules:

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

Semantics:

1. TD515 is the country where the service is to be performed.

Comments:

1. When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

DLMS Note:

Use to identify the ship mode (air or surface) to the final destination, the port of embarkation and the port of debarkation. Authorized DLMS enhancement; see DLMS Introductory Note 3e. Refer to ADC 1098.

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> | <u>Rep</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|------------|
| TD502 | 66 | Identification Code Qualifier | O | ID | 1/2 | Used | 1 |
| | | Description: Code designating the system/method of code structure used for Identification Code (67) | | | | | |
| | | Code Name | | | | | |
| | | 7 Loading Dock | | | | | |
| | | DLMS Note: <i>Use to identify the Port of Embarkation (DOD Code) associated with the ship mode (air or surface) to final destination.</i> | | | | | |
| TD503 | 67 | Identification Code | O | AN | 2/80 | Used | 1 |
| | | Description: Code identifying a party or other code | | | | | |
| TD504 | 91 | Transportation Method/Type Code | O | ID | 1/2 | Used | 1 |
| | | Description: Code specifying the method or type of transportation for the shipment | | | | | |
| | | DLMS Note: <i>DLMS users see the Transportation Method/Type Code Conversion Guide for available codes.</i> | | | | | |
| TD507 | 309 | Location Qualifier | O | ID | 1/2 | Used | 1 |
| | | Description: Code identifying type of location | | | | | |

Code Name

PB Port of Discharge

DLMS Note:

Use to identify the Port of Debarkation (DOD Code) associated with the ship mode (air or surface) to final destination.

| | | | | | | | |
|-------|-----|----------------------------|---|----|------|------|---|
| TD508 | 310 | Location Identifier | O | AN | 1/30 | Used | 1 |
|-------|-----|----------------------------|---|----|------|------|---|

Description: Code which identifies a specific location

N1 Name

| | |
|---------------------------|--------------------|
| Pos: 50 | Max: 1 |
| Heading - Optional | |
| Loop: N1 | Elements: 5 |

User Option (Usage): Must use

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

Syntax Rules:

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

Comments:

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

DLMS Note:

1. Must use this N1 loop to identify the organization originating the transaction set.
2. 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> | <u>Rep</u> |
|------------|-----------|-------------------------------|------------|-------------|----------------|--------------|------------|
| N101 | 98 | Entity Identifier Code | M | ID | 2/3 | Must use | 1 |

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

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

2. For conversion between MILS and DLMS formats, the transaction originator will always be identified by Qualifier CY using the SC Customer Code.

3. Identification of the Freight Forwarder (FF) or Country Representative (CR) are identified as an Authorized DLMS enhancement; see DLMS Introductory Note 3e. Refer to ADC 1098. Use of this enhancement requires a second iteration of the N1 loop (refer to ADC 309).

Code Name

CY Country

DLMS Note:

1. Use to identify the SC Customer Code associated with the NOA reply.

2. Use to identify the CR originating the transaction set. Authorized DLMS enhancement; see DLMS Introductory Note 3e. Refer to ADC 1098.

IF International Freight Forwarder

DLMS Note:

Use to identify the designated FF to receive the transaction set. Authorized DLMS enhancement; see DLMS Introductory Note 3e. Refer to ADC 1098.

| | | | | | | | |
|------|----|-------------|---|----|------|------|---|
| N102 | 93 | Name | X | AN | 1/60 | Used | 1 |
|------|----|-------------|---|----|------|------|---|

Description: Free-form name

DLMS Note: This is a DLMS enhancement for identification of the FF or CR by clear text where coded address is not available.

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> | <u>Rep</u> | |
|--|-----------|--|------------|-------------|----------------|--------------|------------|--|
| N103 | 66 | Identification Code Qualifier | X | ID | 1/2 | Must use | 1 | |
| Description: Code designating the system/method of code structure used for Identification Code (67) | | | | | | | | |
| Code Name | | | | | | | | |
| | 38 | Country Code | | | | | | |
| DLMS Note: | | | | | | | | |
| <i>Use with N101 Qualifier CY to identify the Security Cooperation Customer Code applicable to the NOA reply. (Must be consistent with the NOA and original requisition content).</i> | | | | | | | | |
| | A2 | Military Assistance Program Address Code (MAPAC) | | | | | | |
| DLMS Note: | | | | | | | | |
| <i>This is a DLMS enhancement for use of the constructed MAPAC to identify the FF or CR. Requires coordination prior to use.</i> | | | | | | | | |
| | LC | Agency Location Code (U.S. Government) | | | | | | |
| DLMS Note: | | | | | | | | |
| <i>Use to identify the International Logistics Control Office (ILCO) SC Implementing Agency Code. Authorized values are restricted to those identified in DLM 4000.25, Volume 2 Appendix 7.2. Authorized DLMS enhancement; see DLMS Introductory Note 4e. Refer to ADC 1098.</i> | | | | | | | | |
| N104 | 67 | Identification Code | X | AN | 2/80 | Must use | 1 | |
| Description: Code identifying a party or other code | | | | | | | | |
| N106 | 98 | Entity Identifier Code | O | ID | 2/3 | Used | 1 | |
| Description: Code identifying an organizational entity, a physical location, property or an individual | | | | | | | | |
| Code Name | | | | | | | | |
| | FR | Message From | | | | | | |
| DLMS Note: | | | | | | | | |
| <i>Must use with the appropriate 1/N101/050 code to indicate that the organization cited in N104 is originating the transaction set.</i> | | | | | | | | |

HL Hierarchical Level

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

User Option (Usage): Must use

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

Comments:

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

DLMS Note:

1. The transaction set hierarchical data structure is address information, followed by overall shipment information.
2. Use the first 2/HL/010 loop iteration to provide transaction set address information.
3. Use the second 2/HL/010 shipment loop iteration to identify shipment information associated with the transportation control number assigned to control the shipment.

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> | <u>Rep</u> |
|---|-----------|--------------------------------|------------|-------------|----------------|--------------|------------|
| HL01 | 628 | Hierarchical ID Number | M | AN | 1/12 | Must use | 1 |
| <p>Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure</p> <p>DLMS Note: <i>In the first 2/HL/010 loop iteration, cite numeric 1. In each subsequent loop iteration, increase incrementally by 1.</i></p> | | | | | | | |
| HL03 | 735 | Hierarchical Level Code | M | ID | 1/2 | Must use | 1 |
| <p>Description: Code defining the characteristic of a level in a hierarchical structure</p> <p>Code Name</p> <p>S Shipment</p> <p>DLMS Note: <i>Use to identify the individual shipment loops addressed in the FMS NOA reply.</i></p> <p>V Address Information</p> <p>DLMS Note: <i>Use address loop to identify the consignor (shipping activity initiating the NOA) and the ship-to when the ship-to instructions are different than those provided originally.</i></p> | | | | | | | |

DTM Date/Time Reference

| | |
|--------------------------|--------------------|
| Pos: 80 | Max: 10 |
| Detail - Optional | |
| Loop: HL | Elements: 2 |

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Syntax Rules:

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

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> | <u>Rep</u> |
|---|-----------|----------------------------|------------|-------------|----------------|--------------|------------|
| DTM01 | 374 | Date/Time Qualifier | M | ID | 3/3 | Must use | 1 |
| <p>Description: Code specifying type of date or time, or both date and time</p> <p>DLMS Note: Use to identify the originator's date of transaction preparation and other dates associated with the transaction.</p> | | | | | | | |
| <p>Code Name</p> | | | | | | | |
| 097 Transaction Creation | | | | | | | |
| <p>DLMS Note:</p> <p>Use to indicate the date of transaction preparation.</p> | | | | | | | |
| 108 Postmark | | | | | | | |
| <p>DLMS Note:</p> <p>Use to identify the date release and shipping instructions were mailed. Use only when mailing separate release and shipping instructions.</p> | | | | | | | |
| DTM02 | 373 | Date | X | DT | 8/8 | Must use | 1 |
| <p>Description: Date expressed as CCYYMMDD</p> | | | | | | | |

REF Reference Identification

| | |
|--------------------------|--------------------|
| Pos: 87 | Max: 1 |
| Detail - Optional | |
| Loop: REF | Elements: 2 |

User Option (Usage): Must use

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

Description: Code qualifying the Reference Identification

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

Code Name

FN Forwarder's/Agent's Reference Number

DLMS Note:

Use to identify the customer (CR/FF) assigned transportation order number used for internal control of the shipment.

K1 Foreign Military Sales Notice Number

DLMS Note:

Must use only in 2/HL/010 shipment loops to identify the NOA Notice number, which reflects the number of times the NOA has been sent to the Freight Forwarder/Country Representative. Authorized DLMS enhancement; see DLMS Introductory Note 3e. Refer to ADC 1098.

LO Load Planning Number

DLMS Note:

Use to identify the number of transactions included in the shipment.

TG Transportation Control Number (TCN)

DLMS Note:

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

| | | | | | | | |
|-------|-----|--------------------------|---|----|------|----------|---|
| REF02 | 127 | Reference Identification | X | AN | 1/30 | Must use | 1 |
|-------|-----|--------------------------|---|----|------|----------|---|

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

N1 Name

| | |
|--------------------------|--------------------|
| Pos: 90 | Max: 1 |
| Detail - Optional | |
| Loop: N1 | Elements: 4 |

User Option (Usage): Must use

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

Syntax Rules:

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

Comments:

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

DLMS Note:

Must use this 2/N1/090 loop to identify the organization to receive 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> | <u>Rep</u> | | | | | | | | | | | | | | |
|--|--|--------------------------------------|------------|-------------|----------------|--------------|------------|-------------|-------------|----|--|-------------------|--|---|--|---|---------|-------------------|---|---|--|
| N101 | 98 | Entity Identifier Code | M | ID | 2/3 | Must use | 1 | | | | | | | | | | | | | | |
| <p>Description: Code identifying an organizational entity, a physical location, property or an individual</p> <p>DLMS Note: <i>For DLMS use, only the following codes are authorized.</i></p> <table border="0"> <tr> <td>Code</td> <td>Name</td> </tr> <tr> <td>CI</td> <td>Consignor</td> </tr> <tr> <td colspan="2">DLMS Note:</td> </tr> <tr> <td colspan="2"><i>Use to indicate the shipping activity (activity initiating the NOA).</i></td> </tr> <tr> <td>ST</td> <td>Ship To</td> </tr> <tr> <td colspan="2">DLMS Note:</td> </tr> <tr> <td colspan="2"><i>Use to identify the ship to clear text address with or without the MAPAC when the ship to address is different than what is contained in the MAPAD as originally identified by the address codes in the requisition.</i></td> </tr> </table> | | | | | | | | Code | Name | CI | Consignor | DLMS Note: | | <i>Use to indicate the shipping activity (activity initiating the NOA).</i> | | ST | Ship To | DLMS Note: | | <i>Use to identify the ship to clear text address with or without the MAPAC when the ship to address is different than what is contained in the MAPAD as originally identified by the address codes in the requisition.</i> | |
| Code | Name | | | | | | | | | | | | | | | | | | | | |
| CI | Consignor | | | | | | | | | | | | | | | | | | | | |
| DLMS Note: | | | | | | | | | | | | | | | | | | | | | |
| <i>Use to indicate the shipping activity (activity initiating the NOA).</i> | | | | | | | | | | | | | | | | | | | | | |
| ST | Ship To | | | | | | | | | | | | | | | | | | | | |
| DLMS Note: | | | | | | | | | | | | | | | | | | | | | |
| <i>Use to identify the ship to clear text address with or without the MAPAC when the ship to address is different than what is contained in the MAPAD as originally identified by the address codes in the requisition.</i> | | | | | | | | | | | | | | | | | | | | | |
| N103 | 66 | Identification Code Qualifier | X | ID | 1/2 | Must use | 1 | | | | | | | | | | | | | | |
| <p>Description: Code designating the system/method of code structure used for Identification Code (67)</p> <table border="0"> <tr> <td>Code</td> <td>Name</td> </tr> <tr> <td>10</td> <td>Department of Defense Activity Address Code (DODAAC)</td> </tr> <tr> <td>A2</td> <td>Military Assistance Program Address Code (MAPAC)</td> </tr> <tr> <td colspan="2">DLMS Note:</td> </tr> <tr> <td colspan="2"><i>Use to identify Security Assistance structured address data for the Ship To. Interpretation of this data may require additional codes cited elsewhere in the transaction. Authorized DLMS enhancement; see DLMS Introductory Note 3e. Refer to ADC 1098.</i></td> </tr> <tr> <td>M4</td> <td>Department of Defense Routing Identifier Code (RIC)</td> </tr> </table> | | | | | | | | Code | Name | 10 | Department of Defense Activity Address Code (DODAAC) | A2 | Military Assistance Program Address Code (MAPAC) | DLMS Note: | | <i>Use to identify Security Assistance structured address data for the Ship To. Interpretation of this data may require additional codes cited elsewhere in the transaction. Authorized DLMS enhancement; see DLMS Introductory Note 3e. Refer to ADC 1098.</i> | | M4 | Department of Defense Routing Identifier Code (RIC) | | |
| Code | Name | | | | | | | | | | | | | | | | | | | | |
| 10 | Department of Defense Activity Address Code (DODAAC) | | | | | | | | | | | | | | | | | | | | |
| A2 | Military Assistance Program Address Code (MAPAC) | | | | | | | | | | | | | | | | | | | | |
| DLMS Note: | | | | | | | | | | | | | | | | | | | | | |
| <i>Use to identify Security Assistance structured address data for the Ship To. Interpretation of this data may require additional codes cited elsewhere in the transaction. Authorized DLMS enhancement; see DLMS Introductory Note 3e. Refer to ADC 1098.</i> | | | | | | | | | | | | | | | | | | | | | |
| M4 | Department of Defense Routing Identifier Code (RIC) | | | | | | | | | | | | | | | | | | | | |
| N104 | 67 | Identification Code | X | AN | 2/80 | Must use | 1 | | | | | | | | | | | | | | |
| <p>Description: Code identifying a party or other code</p> | | | | | | | | | | | | | | | | | | | | | |
| N106 | 98 | Entity Identifier Code | O | ID | 2/3 | Used | 1 | | | | | | | | | | | | | | |

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

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

Code Name

TO Message To

DLMS Note:

Must use with N101 code CI to indicate that the organization cited in N104 is receiving the transaction set.

N2 Additional Name Information

| | |
|-------------------|-------------|
| Pos: 100 | 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:

Use with 2/N101/90 Code ST to identify in-the-clear exception ship-to name information if different than what is contained in the MAPAD as originally identified by the address codes in the requisition. Authorized DLMS enhancement; see DLMS Introductory Note 3e. Refer to ADC 1098.

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> | <u>Rep</u> |
|------------|-----------|------------------------------------|------------|-------------|----------------|--------------|------------|
| N201 | 93 | Name | M | AN | 1/60 | Must use | 1 |
| | | Description: Free-form name | | | | | |
| N202 | 93 | Name | O | AN | 1/60 | Used | 1 |
| | | Description: Free-form name | | | | | |

N3 Address Information

| | |
|--------------------------|--------------------|
| Pos: 110 | Max: 2 |
| Detail - Optional | |
| Loop: N1 | Elements: 2 |

User Option (Usage): Used

Purpose: To specify the location of the named party

DLMS Note:

Use with 2/N101/90 Code ST to identify in-the-clear exception ship-to address information if different than what is contained in the MAPAD as originally identified by the address codes in the requisition. Authorized DLMS enhancement; see DLMS Introductory Note 3e. Refer to ADC 1098.

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> | <u>Rep</u> |
|------------|-----------|---|------------|-------------|----------------|--------------|------------|
| N301 | 166 | Address Information | M | AN | 1/55 | Must use | 1 |
| | | Description: Address information | | | | | |
| N302 | 166 | Address Information | O | AN | 1/55 | Used | 1 |
| | | Description: Address information | | | | | |

N4 Geographic Location

| | |
|--------------------------|--------------------|
| Pos: 120 | Max: 1 |
| Detail - Optional | |
| Loop: N1 | Elements: 4 |

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:

Use with 2/N101/90 Code ST to identify in-the-clear exception ship-to geographical location information if different than what is contained in the MAPAD as originally identified by the address codes in the requisition. Authorized DLMS enhancement; see DLMS Introductory Note 3e. Refer to ADC 1098.

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> | <u>Rep</u> |
|------------|-----------|--|------------|-------------|----------------|--------------|------------|
| N401 | 19 | City Name | O | AN | 2/30 | Used | 1 |
| | | Description: Free-form text for city name | | | | | |
| N402 | 156 | State or Province Code | O | ID | 2/2 | Used | 1 |
| | | Description: Code (Standard State/Province) as defined by appropriate government agency | | | | | |
| N403 | 116 | Postal Code | O | ID | 3/15 | Used | 1 |
| | | Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | | | | | |
| N404 | 26 | Country Code | O | ID | 2/3 | Used | 1 |
| | | Description: Code identifying the country | | | | | |
| | | DLMS Note: Use to identify the GENC country code. See DLMS introductory note 4 (Refer to ADC 1075 for implementation). | | | | | |

PER Administrative Communications Contact

| | |
|-------------------|-------------|
| Pos: 140 | Max: 3 |
| Detail - Optional | |
| Loop: N1 | Elements: 6 |

User Option (Usage): Used

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

Syntax Rules:

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

DLMS Note:

Use to provide point of contact information. Use only in the N1 loop identifying the ship to. Authorized DLMS enhancement; see DLMS Introductory Note 3e. Refer to ADC 1098.

Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage | Rep |
|-------|-----|--|-----|------|---------|----------|-----|
| PER01 | 366 | Contact Function Code | M | ID | 2/2 | Must use | 1 |
| | | Description: Code identifying the major duty or responsibility of the person or group named | | | | | |
| | | Code Name | | | | | |
| | | IC Information Contact | | | | | |
| | | DLMS Note: | | | | | |
| | | Use to identify the point of contact. | | | | | |
| PER02 | 93 | Name | O | AN | 1/60 | Used | 1 |
| | | Description: Free-form name | | | | | |
| PER03 | 365 | Communication Number Qualifier | O | ID | 2/2 | Used | 1 |
| | | Description: Code identifying the type of communication number | | | | | |
| | | Code Name | | | | | |
| | | TE Telephone | | | | | |
| | | DLMS Note: | | | | | |
| | | Use to identify the commercial phone number. | | | | | |
| PER04 | 364 | Communication Number | O | AN | 1/80 | Used | 1 |
| | | Description: Complete communications number including country or area code when applicable | | | | | |
| PER05 | 365 | Communication Number Qualifier | O | ID | 2/2 | Used | 1 |
| | | Description: Code identifying the type of communication number | | | | | |
| | | Code Name | | | | | |
| | | EM Electronic Mail | | | | | |
| | | DLMS Note: | | | | | |
| | | Use to identify the e-mail address. | | | | | |
| PER06 | 364 | Communication Number | O | AN | 1/80 | Used | 1 |
| | | Description: Complete communications number including country or area code | | | | | |

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

LM Code Source Information

| | |
|-------------------|-------------|
| Pos: 144 | Max: 1 |
| Detail - Optional | |
| Loop: LM | Elements: 1 |

User Option (Usage): Used

Purpose: To transmit standard code list identification information

Comments:

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

DLMS Note:

Use this 2/LM/144 loop to identify coded information maintained in department or agency documentation.

Element Summary:

| <u>Ref</u> | <u>Id</u> | <u>Element Name</u> | <u>Req</u> | <u>Type</u> | <u>Min/Max</u> | <u>Usage</u> | <u>Rep</u> |
|------------|-----------|-----------------------|------------|-------------|----------------|--------------|------------|
| LM01 | 559 | Agency Qualifier Code | M | ID | 2/2 | Must use | 1 |

Description: Code identifying the agency assigning the code values

Code Name

DF Department of Defense (DoD)

LQ Industry Code

| | |
|---------------------------|--------------------|
| Pos: 145 | Max: 100 |
| Detail - Mandatory | |
| Loop: LM | Elements: 2 |

User Option (Usage): Must use

Purpose: Code to transmit standard industry codes

Syntax Rules:

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

DLMS Note:

Use to identify codes consistent with management information requirements.

Element Summary:

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

Description: Code identifying a specific industry code list

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

Code Name

- 0 Document Identification Code
- 79 Priority Designator Code

DLMS Note:

Recommend using in all requisitions

- 96 Shipment Release Code

DLMS Note:

Use to provide FMS NOA shipment release instructions.

- A9 Supplemental Data

DLMS Note:

1. *Use to identify supplemental address/data.*
2. *Future streamlined data; see introductory DLMS note 3c.*

- AJ Utilization Code

DLMS Note:

1. *Under Legacy MILSTRIP, this is the first position of the document serial number.*
2. *Authorized DLMS enhancement; see DLMS Introductory Note 3e. Refer to ADC 1098.*

- AL Special Requirements Code

DLMS Note:

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

- COG Cognizance Symbol

DLMS Note:

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

- IMC Item Management Code

DLMS Note:

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

Code Name

MCC Material Control Code

DLMS Note:

Use to identify the Material Control Code (MCC) for special inventory reporting. This is a Navy-unique data element meaningful to Navy only; Non-Navy Components are to perpetuate without action.

SMI Special Material Identification Code

DLMS Note:

Use to identify the Special Material Identification Code (SMIC) for an end item. This is a Navy-unique data element meaningful to Navy only; Non-Navy Components are to perpetuate without action.

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

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

SE Transaction Set Trailer

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

User Option (Usage): Must use

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

Comments:

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

Element Summary:

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