Department
of
Defense

# DoD Transportation Electronic Business (DTEB) Convention

## ASC X12 Transaction Set 858 Shipment Information (Version 004010) – Freight Bill of Lading Shipment Information

VERSION 6

September 2015

Department
of
Defense

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# Section 1.0

# INTRODUCTION

This implementation convention (IC) describes the convention the Department of Defense will use to exchange Bills of Lading using the ASC X12 Transaction Set 858 Shipment Information (Version 004010) in support of the Defense Transportation community's Electronic Business (DTEB) program. The copyright on the ASC X12 standards is held by the Data Interchange Standards Association on behalf of ASC X12.

For further information about the DTEB program, to obtain DoD conventions or *ASC* X12 guidance or to recommend DoD conventions or *ASC* X12 maintenance, contact the following:

United States Transportation Command
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508 Scott Drive
Scott Air Force Base, IL 62225-7001

For the most recent publication, go to the World-Wide Web at

https://its.ustranscom.mil/cris/dteb/ic/trans_ics.cfm

[Note: To access the publication, you must have an Information Tool Suite (ITS) account.]

## Who Needs to Use This Document?

Computer programmers use this document to identify the data requirements for populating an EDI transaction.

## Why Use a Convention?

A convention defines the rules for populating an EDI transaction. Following a convention ensures that trading partners will encounter fewer data quality problems during development and maintenance of EDI systems.

# Contents

Additional sections are included in this document.

- Section 2.0, Control Segments, identifies the specific data requirements for formatting the EDI interchange control segments that envelop all EDI transactions.
- Section 3.0, Standard Implementation Convention, lists the layout of the target transaction set by segment and data element. Identified along side each transaction set data element is the IC Element Matrix index number from Section 4.0.
- Section 4.0, IC Element Matrix, identifies the application data elements trading partners need to exchange. This section can be used to map an existing application database into the transaction set.
- Section 5.0 , when present, contains an example of the EDI transactions.
- Section 6.0, Application Code Lists, when present, identifies the DoD codes that trading partners need to exchange. This section augments the matrix presented in Section 4.0.
- Other sections contain examples of hard copy documents, examples of EDI transaction sets, segment looping logic tables, and other items that serve as references for software developers.

# What's New In Version 6

## Added in Version 6

| DM Number | DM Description | Approval Date |
|---|---|---|
| 1189 | For the BX02 at index 2-02 we need codes added to the section 6 listing for Transportation Method Code (Mode Code). The codes to be added are:<br>D Parcel Post<br>6 Military Official Mail<br>AE Air Express<br>A Air<br>L Contract Carrier | 8/31/2015 |

# Added in Version 5

| DM Number | DM Description | Approval Date |
|---|---|---|
| 1184 | At index 193 insert new L1 segment as 'Conditional' in data group 600 with DoD segment name "Transportation Working Capital Fund (TWCF) Recovery Fee". Add segment condition note that reads: "SEGMENT CONDITION: Required if and only if L0 SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee Loop Identifier is used."<br>At index 193-02 add new L102, DE 60 with DoD attributes of Conditional, R, 1/7 and DoD definition of "TWCF Recovery Fee Rate". Add element condition note that reads: "Used to pass the TWCF Recovery Fee rate applied per the DFTS contract."<br>At index 193-03 add new L103, DE 122 with DoD attributes of Conditional, ID, 2/2 and DoD definition of "TWCF Recovery Fee Qualifier". Add code value 'PS – Per Shipment'.<br>At index 193-04 add new L104, DE 58 with DoD attributes Mandatory, N2, 1/8 and DoD definition of "TWCF Recovery Fee". Add element usage note that reads: "The charge allowed for TWCF recovery fee."<br>At index 193-08 add new L108, DE 150 with DoD attributes Mandatory, ID, 3/3 and DoD definition of "TWCF Recovery Fee Service Identifier". Add code value '615 – Recovery Fee' with DoD definition of "Use '615' to denote Transportation Working Capital Fund (TWCF) Recovery Fee". | 6/18/2015 |
| 1183 | At index 192 insert new L0 segment as 'Conditional' in data group 600 with DoD segment name "Transportation Working Capital Fund (TWCF) Recovery Fee Loop Identifier". Add loop condition note that reads: "LOOP CONDITION: Required if and only if HL SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee Loop is used."<br>At index 192-01 add new L001, DE 213 with DoD attributes of Mandatory, N0, 3/3 and DoD definition of "TWCF Recovery Fee Loop Identifier". Add element usage note that reads: "Use value '600' to indicate TWCF Recovery Fee loop." | 6/18/2015 |

| | | |
|---|---|---|
| 1182 | At index 191 insert new HL segment as ‘Conditional’ in data group 600 with DoD segment name “HL SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee Loop”. Add loop condition note that reads: “LOOP CONDITION: Required for all Defense Freight Transportation Services (DFTS) shipments.”<br>At index 191-01 add new HL01, DE 628 with DoD attributes of Mandatory, N0, 1/12 and DoD definition of “Detail – TWCF Recovery Fee Loop”. Add element usage note that reads: “Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe the TWCF recovery fee associated to DFTS shipments.”<br>At index 191-03 add new HL03, DE 735 with DoD attributes of Mandatory, ID, 2/2. Add element usage note that reads: “This code identifies the TWCF Recovery Fee Loop.” Add code value ‘CT – Cost Type’ with DoD definition of “Use ‘CT’ to denote Transportation Working Capital Fund (TWCF) Recovery Fee”. | 6/18/2015 |
| 1181 | Change the NTE02, DE352, at index [112-02] DoD element name from “DTCI Offer Record Number” to “3PL Offer Record Number”. | 6/18/2015 |
| 1180 | Change the NTE01, DE363, at index [112-01] DoD element name from “DTCI Offer Record Number Qualifier” to “3PL Offer Record Number Qualifier”. Change code value ‘UPI’ DoD definition to read “Use ‘UPI’ to denote 3PL Offer Record Number Qualifier.” | 6/18/2015 |
| 1179 | Change the NTE at index [112] DoD segment name from: “DTCI Offer Record Number” to “3PL Offer Record Number”. Change segment usage note to read: “SEGMENT CONDITION: Use for 3PL coordinated shipments (DTCI or DFTS) only. Required for 3PL coordinated shipments. Matches the shipper's offer record numbers that appear in corresponding 219 Transportation Service Request and a 220 Transportation Service Response.” | 6/18/2015 |
| 1178 | Change the R202, DE133, at index [29-02] element usage note to read: “Use 'B' for 3PL shipments (DTCI or DFTS) to indicate the carrier the 3PL coordinator assigned to the shipment.” | 6/18/2015 |
| 1177 | Change the R201, DE140, at index [29-01] element usage note to read: “For non-3PL coordinated shipments (DTCI or DFTS) enter SCAC of interline and destination carrier(s) in sequence after origin carrier. The origin carrier should not be included in an interline list. For 3PL coordinated shipments (DTCI or DFTS), enter the SCAC of the carrier to whom the 3PL coordinator assigned the shipment.” | 6/18/2015 |

| | | |
|---|---|---|
| 1176 | Change the R2 at index [29] DoD segment name from: “Interline or DTCI Carrier” to “Interline or 3PL Carrier”. Change segment usage note to read: “SEGMENT CONDITION: For non-3PL coordinated shipments (Defense Transportation Coordination Initiative (DTCI) or Defense Freight Transportation Services (DFTS)) use this segment if interline carriers are used during shipment. However, shipper systems are not required to provide Interline Carrier Routing information for rail movements. For 3PL shipments (DTCI or DFTS), use this segment to identify the carrier to whom the 3PL coordinator has assigned the shipment.” | 6/18/2015 |
| 1175 | Change the G6201, DE432, at index [19-01] element usage note to read: “This qualifier must appear if desired/required delivery date is used. Under applicable ocean contracts, the Contract Delivery Date will take precedence over the Required Delivery Date. Code '67' used only for 3rd Party Logistics (Defense Transportation Coordination Initiative (DTCI) or Defense Freight Transportation Services (DFTS)) shipments.” | 6/18/2015 |
| 1174 | Change the N902, DE127, at index [15-02] DoD element name from: "DTCI Coordinator Internal Order Number" to "3rd Party Logistics (DTCI or DFTS) Internal Order Number". Change element usage note to read: "Enter the internal order number assigned by the 3rd Party Logistics (DTCI or DFTS) coordinator's transportation management system and provided in the EDI Transportation Service Response transaction to the shipper." | 6/18/2015 |
| 1173 | In the N901, DE128, at index [15-01] add code “RE - Release Number” with DoD usage note that reads: “Use ‘RE’ to denote Defense Freight Transportation Services (DFTS) Internal Order Number” | 6/18/2015 |
| 1172 | Change the N9 at index [15] DoD segment name from: “DTCI Coordinator Internal Order Number" to "3rd Party Logistics Coordinator Internal Order Number". Change segment usage note to read: "SEGMENT CONDITION: Use for shipments with an internal order number assigned by a 3rd Party Logistics (DTCI or DFTS) coordinator's transportation management system and provided in the EDI Transportation Service Response transaction to the shipper." | 6/18/2015 |
| 1171 | In the BX05, DE140, at index [2-05] change forth sentence of the element usage note to read: "For Defense Transportation Coordination Initiative (DTCI) or Defense Freight Transportation Services (DFTS) shipments, enter the DTCI or DFTS coordinator's SCAC." | 6/18/2015 |

# Added in Version 4

| DM Number | DM Description | Approval Date |
|---|---|---|
| 1142 | Ref Index 109-04 and Index 183-04, L504, Commodity Code Qualifier: remove Code Qualifier 'L - Last Contained Contents STCC' from the list of acceptable codes. | 7/31/2014 |

# Added in Version 3

| DM Number | DM Description | Approval Date |
|---|---|---|
| 1127 | At index 188-02 add new usage note that reads: "Code that identifies the 'Reason Not Lowest Cost' service provided as defined by the "Freight Lading Bill Reason Code" table found in USTranscom Reference Data Management (TRDM), mirrored at http://www.transcom.mil/dteb/files/refdata/V_D_FRGHT_LDNG_BL4_CD.htm. Remove existing element usage note that reads: "Reference Section 6.0 of this IC for code values using applicable Reason (Not Lowest Cost) table. Common code values associated with multiple definitions prevents documentation of the entire sub-set." and note that reads "See Section 6 for list of data values". Remove table [188-02] - Reason (Not Lowest Cost) from Section 6. | 12/13/2013 |

# Added in Version 2

| DM Number | DM Description | Approval Date |
|---|---|---|
| 1105 | At Section 3.0, L103; add code VT with description " Per mile per vehicle". At Section 4.0, Ref L103 Fuel Surcharge Rate Qualifier, Data Element 122 Index 180-03; add code VT with description "Per mile per vehicle". | 5/9/2013 |
| 1104 | At index 117-05, L005 - Freight Weight Qualifier, DE 187, change DoD Recommended Attributes min/max length from 2/2 to 1/2. | 4/18/2013 |
| 1101 | At index 132-05, in the LH105 - HAZMAT - US Standard Net Explosive Weight Code, DE 355, remove the code values 'KG - Kilogram' and 'LT - Liter'. | 4/18/2013 |
| 1100 | 1. At index 126-06, in the LH106, HAZMAT - English Measurement Code, DE 355, add the code values '2R - Kilocurie', '4D - Curie', 'G2 - U.S. Gallons per Minute', 'M5 - Microcurie', 'MU - Millicurie', and 'PN - Pounds Net' and remove the code value 'H4 - Hectoliter'. Modify the ELEMENT CONDITION note to read: Required if LH107 is used. At least one LH106/LH107 or LFH05/LFH06 are required to pass the HAZMAT unit of measure and quantity. If an English and Metric unit of measure are available, both are required.<br>2. At index 131-05, in the LFH05 - HAZMAT - Metric Measurement Code, DE 355, modify the code list referenced in Section 6 to add the code 'H4 - Hectoliter' and remove the codes '2R - Kilocurie', '40 - Curie' (note: this code value is incorrect in the current version of the DTEB IC; the correct value for Curie is '4D' by ASC X12 standards), 'G2 - U.S. Gallons per Minute', 'GA - Gallon', 'M5 - Microcurie', 'MU - Millicurie', and 'PN - Pounds Net'.<br>3. At index 131-06 modify the ELEMENT CONDITION note to read: Required if LFH05 is used. At least one LH106/LH107 or LFH05/LFH06 are required to pass the HAZMAT unit of measure and quantity. If an English and Metric unit of measure are available, both are required. | 4/18/2013 |
| 1099 | At Section 3.0, L103; add code PM with description "Per Mile". At Section 4.0, Ref L103 Fuel Surcharge Rate Qualifier, Data Element 122 Index 180-03; add code PM with description "Per Mile". | 4/11/2013 |
| 1093 | Delete Type of Service Code 'DR- Door to Ramp' from L012 (Index 176-12). | 3/7/2013 |

# Added in Version 1

| DM Number | DM Description | Approval Date |
|---|---|---|
| 1043 | At index 118 change segment condition note to read: "SEGMENT CONDITION: Declared value is required for all shipments that will be processed through a foreign host nation's customs and border clearance program." | 3/22/2012 |
| 1028 | At index 118 (DG120) add DE 58 at index 118-04 with the following DoD attributes: M(andatory), N2, 1/8. Add usage note that reads: "Use value '00' to meet X12 syntax requirements." | 12/5/2011 |
| 1026 | At index 109-03 change the L503 DOD Recommended Attributes min/max length from 6/8 to 1/8. Replace the DIC reference T_0 18/18 with T_0 15/19 and add usage note that reads: "DIC reference is applicable only when qualified with the value 'I' in the L504." | 11/15/2011 |

# Section 2.0

# CONTROL SEGMENTS

## Instruction

For detailed description of DoD data conventions for formatting Interchange Control and Functional Group segments for use among Defense Transportation Electronic Business (DTEB) trading partners refer to the DoD Transportation Electronic Business (DTEB) Convention, ASC X12 Control Segments (Version 004010), located at:

https://its.ustranscom.mil/cris/dteb/ic/trans_ics.cfm

[Note: To access publication, you must have an ITS account.]

Commercial Trading Partners and DoD personnel that do not hold an ITS account may view the Convention at:

http://www.transcom.mil/dteb/

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# Section 3.0

# STANDARD IMPLEMENTATION CONVENTION

This section presents the DoD's convention for generating bills of lading using *ASC* X12 Transaction Set 858 Shipment Information (Version 004010).

Symbols that appear in the Data Element Summary to the left of each segment reference designator (Ref. Des.) define implementation convention usage for the DoD. These designations may differ from X12 convention attributes appearing in the right-hand column of the Data Element Summary and should be interpreted as follows:

[*blank*] - Segment or data element may be used optionally

M - X12 standards designate mandatory use of segment or data element

>> - Segment or data element is mandatory for DTEB use

X - Segment or data element is not used

NOTE: Whenever a segment occurs more than once, DoD's actual usage requirement may differ among the instances of segment usage. In all cases, the Data Element Summary will indicate the highest order DoD requirement. In other words, if one or several particular instances for a segment are OPTIONAL but another is MANDATORY, the Data Element Summary will indicate a MANDATORY requirement. A review of the IC layout in Section 4.0 will distinguish among the multiple instances and clarify the usage requirement for each instance.

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# 858 Shipment Information

**Functional Group ID=SI**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Shipment Information Transaction Set (858) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the sender with the capability to transmit detailed bill-of-lading, rating, and/or scheduling information pertinent to a shipment. This transaction set can also be used to exchange Government Bills of Lading (GBLs), Commercial Bills of Lading (CBLs), Transportation Control and Movement Documents (TCMDs), and Personal Property Government Bills of Lading (PPGBLs). It may be used by the U.S. Civilian Government, U.S. Department of Defense, and any of their trading partners to exchange information about the shipment of freight, household goods, and passengers. This transaction set fulfills information requirements established by U.S. Government transportation movement rules and regulations.

## Heading:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| M | 010 | ST | Transaction Set Header | M | 1 | | |
| Not Used | 020 | ZC1 | Beginning Segment for Data Correction or Change | O | 1 | | |
| M | 030 | BX | General Shipment Information | M | 1 | | n1 |
| | 040 | BNX | Rail Shipment Information | O | 1 | | |
| Not Used | 050 | M3 | Release | O | 1 | | |
| | 060 | N9 | Reference Identification | O | 30 | | |
| Not Used | 065 | CM | Cargo Manifest | O | 3 | | |
| Not Used | 070 | Y6 | Authentication | O | 4 | | |
| | 080 | Y7 | Priority | O | 1 | | |
| | 090 | C3 | Currency | O | 1 | | |
| Not Used | 100 | ITD | Terms of Sale/Deferred Terms of Sale | O | 1 | | |
| Must Use | 110 | G62 | Date/Time | O | 10 | | |
| | 120 | PER | Administrative Communications Contact | O | 3 | | |
| Not Used | 130 | NA | Cross-Reference Equipment | O | 999 | | |
| | 140 | F9 | Origin Station | O | 1 | | |
| | 150 | D9 | Destination Station | O | 1 | | |
| Not Used | 160 | R1 | Route Information (Air) | O | 1 | | |
| | 170 | R2 | Route Information | O | 13 | | |
| Not Used | 175 | R3 | Route Information - Motor | O | 13 | | |
| | 180 | R4 | Port or Terminal | O | 5 | | |
| Not Used | 190 | MEA | Measurements | O | 10 | | |
| | 200 | H3 | Special Handling Instructions | O | 20 | | |
| Not Used | 201 | PS | Protective Service Instructions | O | 5 | | |
| Not Used | 210 | H6 | Special Services | O | 6 | | |
| Not Used | 211 | V4 | Cargo Location Reference | O | 1 | | |
| Not Used | 212 | V5 | Vessel Code | O | 1 | | |
| | | | LOOP ID - E1 | | | 2 | |
| | 220 | E1 | Empty Car Disposition - Pended Destination Consignee | O | 1 | | |
| | 230 | E4 | Empty Car Disposition - Pended Destination City | O | 1 | | |
| | 240 | E5 | Empty Car Disposition - Pended Destination Route | O | 13 | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Not Used | 245 | PI | Price Authority Identification | O | 1 | | |
| Not Used | 250 | M1 | Insurance | O | 1 | | |
| Not Used | 260 | M2 | Sales/Delivery Terms | O | 1 | | |
| | 270 | L7 | Tariff Reference | O | 30 | | |
| | 280 | NTE | Note/Special Instruction | O | 50 | | |
| Not Used | 290 | XH | Pro Forma - B13 Information | O | 1 | | |
| | | | LOOP ID - N7 | | | 600 | |
| | 330 | N7 | Equipment Details | O | 1 | | |
| | 331 | EM | Equipment Characteristics | O | 1 | | |
| | 335 | NA | Cross-Reference Equipment | O | 30 | | |
| | 340 | M7 | Seal Numbers | O | 5 | | |
| | 350 | N5 | Equipment Ordered | O | 1 | | |
| | 360 | REF | Reference Identification | O | 5 | | |
| Not Used | 370 | IC | Intermodal Chassis Equipment | O | 1 | | |
| Not Used | 375 | VC | Motor Vehicle Control | O | 21 | | |
| Not Used | 380 | GA | Canadian Grain Information | O | 15 | | |
| | | | LOOP ID - E1 | | | 2 | |
| Not Used | 381 | E1 | Empty Car Disposition - Pended Destination Consignee | O | 1 | | |
| Not Used | 382 | E4 | Empty Car Disposition - Pended Destination City | O | 1 | | |
| Not Used | 383 | E5 | Empty Car Disposition - Pended Destination Route | O | 13 | | |
| Not Used | 384 | PI | Price Authority Identification | O | 1 | | |
| | | | LOOP ID - N1 | | | 12 | |
| Must Use | 390 | N1 | Name | O | 1 | | |
| | 400 | N2 | Additional Name Information | O | 2 | | |
| | 410 | N3 | Address Information | O | 2 | | |
| | 420 | N4 | Geographic Location | O | 1 | | |
| Not Used | 430 | REF | Reference Identification | O | 12 | | |
| | 440 | PER | Administrative Communications Contact | O | 3 | | |
| Not Used | 445 | H3 | Special Handling Instructions | O | 5 | | |
| | | | LOOP ID - S5 | | | 999 | |
| | 450 | S5 | Stop-off Details | O | 1 | | |
| | 460 | G62 | Date/Time | O | 6 | | |
| Not Used | 470 | N9 | Reference Identification | O | 10 | | |
| Not Used | 480 | H6 | Special Services | O | 6 | | |
| | | | LOOP ID - N1 | | | 5 | |
| Must Use | 490 | N1 | Name | O | 1 | | |
| | 500 | N2 | Additional Name Information | O | 2 | | |
| | 510 | N3 | Address Information | O | 2 | | |
| | 520 | N4 | Geographic Location | O | 1 | | |
| Not Used | 530 | REF | Reference Identification | O | 12 | | |
| | 540 | PER | Administrative Communications Contact | O | 3 | | |
| | | | LOOP ID - FA1 | | | >1 | |
| | 550 | FA1 | Type of Financial Accounting Data | O | 1 | | |
| M | 560 | FA2 | Accounting Data | M | >1 | | |
| Must Use | 570 | L10 | Weight | O | 1 | | |

## Detail:

| Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | | | LOOP ID - HL | | | >1 | |
| M | 010 | HL | Hierarchical Level | M | 1 | | |
| | 020 | N7 | Equipment Details | O | 1 | | |
| | 030 | NA | Cross-Reference Equipment | O | 1 | | |
| | 040 | M7 | Seal Numbers | O | 5 | | |
| Not Used | 050 | N5 | Equipment Ordered | O | 1 | | |
| Not Used | 060 | REF | Reference Identification | O | 5 | | |
| Not Used | 070 | IC | Intermodal Chassis Equipment | O | 1 | | |
| Not Used | 080 | VC | Motor Vehicle Control | O | 24 | | |
| | 090 | L7 | Tariff Reference | O | 10 | | |
| | 095 | SL1 | Tariff Reference | O | 1 | | |
| Must Use | 100 | N9 | Reference Identification | O | 10 | | |
| Not Used | 105 | H3 | Special Handling Instructions | O | 1 | | |
| Not Used | 110 | X1 | Export License | O | 6 | | |
| Not Used | 120 | X2 | Import License | O | 1 | | |
| Must Use | 130 | L5 | Description, Marks and Numbers | O | 10 | | |
| Not Used | 131 | PER | Administrative Communications Contact | O | 5 | | |
| Not Used | 132 | LH2 | Hazardous Classification Information | O | 6 | | |
| Not Used | 133 | LHR | Hazardous Material Identifying Reference Numbers | O | 1 | | |
| | 134 | LH6 | Hazardous Certification | O | 5 | | |
| Not Used | 137 | Y7 | Priority | O | 2 | | |
| Not Used | 138 | G62 | Date/Time | O | 10 | | |
| | 140 | NTE | Note/Special Instruction | O | 100 | | |
| Not Used | 142 | LP | Load Planning | O | 1 | | |
| Not Used | 143 | AXL | Vehicle Axle Measurements | O | 12 | | |
| | | | LOOP ID - L0 | | | 20 | |
| Must Use | 145 | L0 | Line Item - Quantity and Weight | O | 1 | | |
| | 150 | L1 | Rate and Charges | O | 20 | | |
| | 160 | MEA | Measurements | O | 10 | | |
| | | | LOOP ID - LH1 | | | 100 | |
| | 170 | LH1 | Hazardous Identification Information | O | 1 | | |
| | 180 | LH2 | Hazardous Classification Information | O | 4 | | n2 |
| | 190 | LH3 | Hazardous Material Shipping Name | O | 12 | | |
| | 191 | LFH | Freeform Hazardous Material Information | O | 20 | | |
| Not Used | 192 | LEP | EPA Required Data | O | 3 | | |
| Not Used | 200 | LH4 | Canadian Dangerous Requirements | O | 1 | | |
| Not Used | 201 | LHT | Transborder Hazardous Requirements | O | 3 | | |
| | 210 | LHR | Hazardous Material Identifying Reference Numbers | O | 10 | | n3 |
| Not Used | 215 | PER | Administrative Communications Contact | O | 5 | | |
| Not Used | 220 | LHE | Empty Equipment Hazardous Material Information | O | 1 | | n4 |
| | | | LOOP ID - FA1 | | | >1 | |
| | 230 | FA1 | Type of Financial Accounting Data | O | 1 | | |
| M | 240 | FA2 | Accounting Data | M | >1 | | |
| | 250 | L10 | Weight | O | 1 | | |
| | | | LOOP ID - NM1 | | | 4 | |
| | 260 | NM1 | Individual or Organizational Name | O | 1 | | |
| Not Used | 270 | N3 | Address Information | O | 2 | | |
| Not Used | 280 | N4 | Geographic Location | O | 1 | | |
| | | | LOOP ID - N1 | | | 4 | |

| | | | | | |
|---|---|---|---|---|---|
| 290 | N1 | Name | O | 1 | |
| 300 | N2 | Additional Name Information | O | 2 | |
| 310 | N3 | Address Information | O | 2 | |
| 320 | N4 | Geographic Location | O | 1 | |

## Summary:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| Must Use | 010 | L3 | Total Weight and Charges | O | 1 | | |
| M | 020 | SE | Transaction Set Trailer | M | 1 | | |

## Transaction Set Notes

**1.** BX05 contains the Standard Carrier Alpha Code (SCAC) of the original roadhaul carrier receiving the shipment.

**2.** If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory. However, the receiver must consider it to be blanks when printing a paper document.

**3.** All receivers of the EDI transactions covering empty tank cars which last contained hazardous commodities must be able to add the constant words: RESIDUE: LAST CONTAINED ahead of the contents of LHE01 and add the constant: RESIDUE following the contents of the LHE02 when printing paper documents.

**4.** When used in the hazardous material loop, the segment will identify the various certification, exemption or shipper-related numbers that relate to the specific line item of the shipment that are in addition to the UN/UA number reference in the LH1 segment.

**Segment:** **ST** **Transaction Set Header**
**Position:** 010
**Loop:**
**Level:** Heading
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To indicate the start of a transaction set and to assign a control number
**Syntax Notes:**
**Semantic Notes:** **1** The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
**Comments:**
**Business Rules:** Variable Name: STST
**Notes:** [1] ST SEGMENT - Bill of Lading Header (DG 10)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| **M** | **ST01** | **143** | **Transaction Set Identifier Code**<br>Code uniquely identifying a Transaction Set<br>[1-01] Transaction Set Identifier Code (DG 10)<br>858 Shipment Information<br>[1-01] Shipment Information | **M ID 3/3** |
| **M** | **ST02** | **329** | **Transaction Set Control Number**<br>Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set<br>[1-02] Transaction Set Control Number (DG 10)<br>The application and structure of the control number must be agreed upon between trading partners. (For example, some applications use all nine digits where the first five might indicate a group control number and the last four represent the sequence of the transaction set within the functional group. Also, the entire nine digit field may simply represent the sequence of the transaction set generated by a trading partner.) | **M AN 4/9** |

**Segment:** **BX** **General Shipment Information**
**Position:** 030
**Loop:**
**Level:** Heading
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To transmit identification numbers and other basic shipment data
**Syntax Notes:**
**Semantic Notes:**
**Comments:**
**Notes:** [2] BX SEGMENT - Bill of Lading Number (DG 10)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **BX01** | **353** | **Transaction Set Purpose Code** | | **M ID 2/2** |
| | | | Code identifying purpose of transaction set | | |
| | | | [2-01] Transaction Set Purpose Code (DG 10) | | |
| | | | 00 | Original | |
| | | | | [2-01] Original | |
| | | | 01 | Cancellation | |
| | | | | [2-01] Cancellation | |
| | | | 04 | Change | |
| | | | | [2-01] Change | |
| | | | 14 | Advance Notification | |
| | | | | [2-01] Advance Notification | |
| | | | 20 | Final Transmission | |
| | | | | [2-01] Final Transmission | |
| **M** | **BX02** | **91** | **Transportation Method/Type Code** | | **M ID 1/2** |
| | | | Code specifying the method or type of transportation for the shipment | | |
| | | | [2-02] Transportation Method Code (Mode Code) (DG 10) | | |
| | | | 6 | Military Official Mail | |
| | | | | [2-02] Military Official Mail | |
| | | | A | Air | |
| | | | | [2-02] Air | |
| | | | AE | Air Express | |
| | | | | [2-02] Air Express | |
| | | | AF | Air Freight | |
| | | | | [2-02] Air Freight | |
| | | | AH | Air Taxi | |
| | | | | FAA approved carrier utilizing a 1 or 2 engine aircraft for on demand service | |
| | | | | [2-02] Air Taxi | |
| | | | B | Barge | |
| | | | | [2-02] Barge | |
| | | | BU | Bus | |
| | | | | [2-02] Bus | |
| | | | D | Parcel Post | |
| | | | | [2-02] Parcel Post | |

| | |
|---|---|
| DA | Driveaway Service |
| | Movement of wheeled vehicle, wheeled equipment, or wheeled chassis of which is powered by a self-contained power unit (includes tractor/trailer combination) |
| | [2-02] Driveaway Service |
| DW | Driveaway, Truckaway, Towaway |
| | DoD policy includes all three terms in one. They mean collectively, a transportation method whereby a vehicle is moved under its own power by a driver, or loaded into or upon a carrier's equipment, or towed by carrier's equipment |
| | [2-02] Driveaway, Truckaway, Towaway |
| ED | European or Pacific Distribution System |
| | Military operated logistic distribution system within the indicated theaters of operation |
| | [2-02] European or Pacific Distribution System<br>Use 'ED' to denote Air Mobility Command (AMC) Transportation Method/Type Code |
| FA | Air Freight Forwarder |
| | A firm other than a railroad, motor, or water carrier, which represents itself as a common carrier and undertakes to assemble and consolidate shipments or provide for same and assumes responsibility for the air transportation of such property from point of receipt to its destination. Delivery is "Held in Bond" |
| | [2-02] Air Freight Forwarder |
| IP | New Code Added by IC |
| | [2-02] Intermodal (Personal Property) |
| J | Motor |
| | [2-02] Motor<br>Use 'J' to denote Motor, Truckload |
| L | Contract Carrier |
| | [2-02] Contract Carrier |
| LA | Logair |
| | Air Force long-term contract airlift service within the continental United States for the movement of cargo in support of the logistics systems of the Military Services and Defense Agencies |
| | [2-02] Logair<br>Use 'LA' to denote Military Air |
| LD | New Code Added by IC |
| | [2-02] Local Delivery |
| LT | Less Than Trailer Load (LTL) |
| | [2-02] Less Than Trailer Load (LTL)<br>Use 'LT' to denote Motor, Less than Truckload |
| MP | Motor (Package Carrier) |
| | [2-02] Motor (Package Carrier) |
| MS | New Code Added by IC |
| | [2-02] Military Sealift Command (MSC), Controlled, Contract, or Arranged Space |
| PL | Pipeline |
| | [2-02] Pipeline |
| R | Rail |
| | [2-02] Rail |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | RO | New Code Added by IC | | |
| | | | | [2-02] Ocean (Roll on - Roll off) | | |
| | | | SB | Shipper Agent | | |
| | | | | Agent for piggyback code consolidation | | |
| | | | | [2-02] Shipper Agent | | |
| | | | SC | Shipper Agent (Truck) | | |
| | | | | Motor carrier agent for piggyback trailer consolidators | | |
| | | | | [2-02] Shipper Agent (Truck) | | |
| | | | SD | Shipper Association | | |
| | | | | Non-profit cooperative consolidator or distributors of shipments by member firms | | |
| | | | | [2-02] Shipper Association | | |
| | | | SF | New Code Added by IC | | |
| | | | | [2-02] Surface Freight Forwarder | | |
| | | | TA | Towaway Service | | |
| | | | | Movement of shipper owned trailers or semi-trailers loaded and/or pulled by carrier furnished power unit | | |
| | | | | [2-02] Towaway Service | | |
| | | | U | Private Parcel Service | | |
| | | | | [2-02] Private Parcel Service<br>Use 'U' to denote Package Express | | |
| | | | W | Inland Waterway | | |
| | | | | [2-02] Inland Waterway | | |
| | | | WP | Water or Pipeline Intermodal Movement | | |
| | | | | A water move by barge or tanker followed by a pipeline move to the destination | | |
| | | | | [2-02] Water or Pipeline Intermodal Movement | | |
| | | | X | Intermodal (Piggyback) | | |
| | | | | [2-02] Intermodal (Piggyback)<br>Use 'X' to denote Rail Intermodal Piggyback(TOFC/COFC) | | |
| **M** | **BX03** | **146** | **Shipment Method of Payment** | | **M** | **ID 2/2** |
| | | | Code identifying payment terms for transportation charges | | | |
| | | | [2-03] Method of Payment (DG 10)<br>Use only 'TP' for ocean shipments only. | | | |
| | | | CC | Collect | | |
| | | | | [2-03] Collect | | |
| | | | CD | Collect on Delivery | | |
| | | | | [2-03] Collect on Delivery | | |
| | | | PP | Prepaid (by Seller) | | |
| | | | | [2-03] Prepaid (by Seller) | | |
| | | | TP | Third Party Pay | | |
| | | | | [2-03] Third Party Pay | | |
| **>>** | **BX04** | **145** | **Shipment Identification Number** | | **O** | **AN 1/30** |
| | | | Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters) | | | |
| | | | [2-04] Bill of Lading/Shipment ID Number (DG 10)<br>Carry either original or most recent bill of lading number or shipment identification number here. For ocean shipments, use TCN as shipment identifier. Do not use any punctuation or special characters. | | | |

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| >> | **BX05** | **140** | **Standard Carrier Alpha Code** | **O** | **ID 2/4** |
| | | | Standard Carrier Alpha Code<br>[2-05] Transportation Company Tendered To (SCAC) (DG 10)<br>Use SCAC of origin carrier. SCAC should be validated against the National Motor Freight Traffic Association (NMFTA) SCAC reference file. For ocean shipments, enter 'NONE' if carrier is unknown. This entry represents the booked carrier for ocean shipments, not the carrier that actually transports the shipment. For Defense Transportation Coordination Initiative (DTCI) or Defense Freight Transportation Services (DFTS) shipments, enter the DTCI or DFTS coordinator's SCAC.<br>SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc. | | |
| **X** | **BX06** | **188** | **Weight Unit Code** | **O** | **ID 1/1** |
| | | | Code specifying the weight unit<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| >> | **BX07** | **147** | **Shipment Qualifier** | **O** | **ID 1/1** |
| | | | Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time<br>[2-07] Bill Purpose/Application Type Code (DG 10) | | |
| | | | A — Sub for Assembly<br>[2-07] Sub for Assembly<br>Use 'A' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Break-Bulk | | |
| | | | B — Bill of Lading for Individual Shipment<br>[2-07] Bill of Lading for Individual Shipment | | |
| | | | C — Consolidated Shipment<br>[2-07] Consolidated Shipment<br>Use 'C' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Consolidation Header (Stand-Alone) | | |
| | | | E — Empty Equipment Billing (Non-Revenue)<br>[2-07] Empty Equipment Billing (Non-Revenue)<br>Use 'E' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Container (Skeleton SI) | | |
| | | | F — Stop-off Shipment<br>Shipment with sub-shipments to be loaded or unloaded enroute to final destination<br>[2-07] Stop-off Shipment<br>Use 'F' to denote Negotiated Rates for Foreign Military Sales Bills of Lading | | |
| | | | G — Switch Waybill<br>[2-07] Switch Waybill<br>Use 'G' to denote Negotiated Rates for Tailored Transportation Contract Traffic Bill of Lading | | |
| | | | M — Master Bill of Lading for Assembly, Distribution and Volume Shipment<br>A bill of lading with multiple delivery locations<br>[2-07] Master Bill of Lading for Assembly, Distribution and Volume Shipment<br>Use 'M' to denote Commercial Rates for Foreign Military Sales Bills of Lading | | |
| | | | Z — Commercial Zone Pick-up<br>[2-07] Commercial Zone Pick-up<br>Use 'Z' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Container. | | |

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|---|---|---|---|---|---|
| **X** | **BX08** | **226** | **Section Seven Code** | **O** | **ID 1/1** |
| | | | Code indicating applicability of section seven option (if not transmitted assume not in effect)<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| | **BX09** | **195** | **Capacity Load Code** | **O** | **ID 1/1** |
| | | | Code specifying type of capacity load<br>[2-09] Vehicle Fully Loaded (Capacity Load Status) (DG 10)<br>ELEMENT CONDITION: Include if shipment is tendered as truckload.<br>F — Full Capacity<br>[2-09] Full Capacity | | |
| | **BX10** | **160** | **Status Report Request Code** | **O** | **ID 1/1** |
| | | | Code used by the shipper to specify that an automatic status report is requested when the shipment is delivered<br>[2-10] Defense Transportation Tracking System Reporting Qualifier (DG 10)<br>Use of this element results in immediate Military Surface Deployment and Distribution Command (SDDC) processing for DTTS shipments.<br>ELEMENT CONDITION: Include if the Defense Transportation Tracking System (DTTS) is required.<br>R — Automatic Status Report Requested<br>[2-10] Automatic Status Report Requested | | |
| **X** | **BX11** | **501** | **Customs Documentation Handling Code** | **O** | **ID 2/2** |
| | | | Code defining method of handling for documentation<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| **X** | **BX12** | **199** | **Confidential Billing Request Code** | **O** | **ID 1/1** |
| | | | Code used by the shipper to request that the carrier inhibit origin identification information from the invoice transaction sets and/or rate and charges from waybill documents and transaction sets when shipment moves under confidential contract rates<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| **X** | **BX13** | **714** | **Goods and Services Tax Reason Code** | **O** | **ID 1/1** |
| | | | Code required to identify the reason for a 0% rated goods and services tax<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| | **BX14** | **346** | **Application Type** | **O** | **ID 2/2** |
| | | | Code identifying an application<br>[2-14] Application Type (DG 10)<br>Use the following migration code value to denote the DoD definition as indicated:<br>ELEMENT CONDITION: Use when broker.<br>21 — Vessel Import Manifest (Canadian)<br>22 — Vessel Export Manifest (Canadian)<br>23 — Vessel In-Transit Manifest (Canadian)<br>24 — Vessel Consignment Import Manifest (Canadian)<br>25 — Vessel Consignment Export Manifest (Canadian)<br>26 — Vessel Consignment In-Transit Manifest (Canadian)<br>27 — Rail Import Manifest (Canadian)<br>28 — Rail Export Manifest (Canadian)<br>29 — Rail In-Transit Manifest (Canadian)<br>30 — House Bill of Lading (Canada)<br>31 — Re-Manifest Manifest (Canadian)<br>32 — Abstract Bill of Lading (Canada)<br>33 — Rail Consignment Import<br>34 — Rail Consignment Export | | |

| | |
|---|---|
| 35 | Rail Consignment In-Transit |
| 36 | Rail Manifest |
| 37 | Highway Import |
| 38 | Highway Export |
| 39 | Highway In-Transit |
| 40 | Highway Consignment Import |
| 41 | Highway Consignment Export |
| 42 | Highway Consignment In-Transit |
| 43 | Air Import |
| 44 | Air Export |
| 45 | Air In-Transit |
| 46 | Air Consignment Import |
| 47 | Air Consignment Export |
| 48 | Air Consignment In-Transit |
| AN | Arrival Notice |
| AT | Appointment |
| BD | Financial Institution Account Statement |
| BF | New Code Added by IC |
| | [2-14] [Migration Code] Broker Files |
| BG | Government Bill of Lading |
| BH | Privately Owned Personal Property Bill of Lading |
| | A Government bill of lading used to request movement and storage services for Government sponsored personal property shipments |
| BL | Bill of Lading |
| BN | Booking |
| BR | Accounts Reconciliation |
| BT | Balance and Transaction Reporting |
| CD | Consolidator's Invoice |
| CF | Controlled Disbursement Funding |
| CI | Commercial Invoice |
| CL | Cash Letter |
| CO | Consolidation |
| DL | Deposit List |
| DO | Delivery Order |
| DT | Depository Transfer |
| EP | Electronic Presentments |
| FA | Full Account Reconciliation |
| FR | Freight Tender |
| | A tender of rates for services provided by a commercial carrier to move all classifications of Government freight other than personal property shipments |
| HR | Personal Property Tender |
| | A tender of rates offered by a carrier for the movement and/or storage of Government sponsored personal property shipments |
| IS | Transportation Control Movement Document (TCMD) |
| LB | Lockbox Summary |
| LS | Load Summary |
| LT | Load Tender - Truckload (TL) Carrier Only |
| | Used by a shipper to inform carrier that a particular load is available or becoming available for movement; also signifies an advance pick-up notification |

| | |
|---|---|
| MF | Manifest |
| PC | Partial Load Tender, Carrier Consolidate |
| PI | Pro Forma Invoice |
| PL | Paid List (All Debits) |
| PP | Point to Point Rate Application |
| PS | Partial Load Tender, Shipper Consolidate |
| R1 | Simulation of Single Shipment Less Release Units (U.S. Department of Defense) |
| R2 | Simulation of Consolidation of Vans, Trailers, or Pallets (U.S. Department of Defense) |
| R3 | Simulation of Consolidation of Packaging Containers (U.S. Department of Defense) |
| R4 | Simulation of Multiple Level Consolidation (U.S. Department of Defense) |
| RD | Deposit Reconciliation |
| RO | Reassociation Report |
| RP | Partial Account Reconciliation |
| RQ | Simulation Single Shipment Release Unit (U.S. Department of Defense) |
| RR | Range Reconciliation |
| RS | Scale Rate Application |
| S1 | Single Package Shipment Status |
| S2 | Multiple Package Shipment Status |
| SI | Single Shipment Invoice |
| SL | Shipper's Letter of Instruction |
| | Used by a shipper to inform recipient of documentation requirements (completion, preparation, and distribution of paperwork) required for the movement of goods |
| SP | Multiple Shipment Invoice |
| SS | Single Shipment Status |
| T1 | Single Shipment Less Release Units (U.S. Department of Defense) |
| T2 | Consolidation of Vans, Trailers, or Pallets (U.S. Department of Defense) |
| T3 | Consolidation of Packaging Containers (U.S. Department of Defense) |
| T4 | Multiple Level Consolidation (U.S. Department of Defense) |
| TF | Trailer Forecast |
| TG | Government Guaranteed Traffic Tender |
| TM | Trailer Manifest |
| TQ | Single Shipment Release Unit (U.S. Department of Defense) |
| ZZ | Mutually Defined |

**Segment:** **BNX** **Rail Shipment Information**
**Position:** 040
**Loop:**
**Level:** Heading
**Usage:** Optional
**Max Use:** 1
**Purpose:** To transmit rail-specific shipment data
**Syntax Notes:**
**Semantic Notes:**
**Comments:**
**Notes:** [3] BNX SEGMENT - Shipment Weight and Billing (DG 10)
SEGMENT CONDITION: Use when weight and billing data are required.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| >> | **BNX01** | **460** | **Shipment Weight Code**<br>Code indicating the way by which weights are obtained for a particular shipment<br>[3-01] Shipment Weight Code (DG 10)<br>A Shipper's Weight Agreement<br>[3-01] Shipper's Weight Agreement | **O** | **ID 1/1** |
| **X** | **BNX02** | **129** | **Referenced Pattern Identifier**<br>Identification of a repetitive pattern that is to be used as a basis for creating a shipment record or a new pattern; or identification of a pattern requiring change or deletion | **O** | **AN 1/13** |
| >> | **BNX03** | **11** | **Billing Code**<br>Code indicating type of Bill<br>[3-03] Billing Code (DG 10)<br>S Single Shipment Billing<br>[3-03] Single Shipment Billing | **O** | **ID 1/1** |
| **X** | **BNX04** | **223** | **Repetitive Pattern Number**<br>RWC number composed of a four-digit number with a fifth digit being a modulus 10 check digit | **O** | **N0 5/5** |

**Segment:** **N9** **Reference Identification**
**Position:** 060
**Loop:**
**Level:** Heading
**Usage:** Optional
**Max Use:** 30
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier
**Syntax Notes:**
**1** At least one of N902 or N903 is required.
**2** If N906 is present, then N905 is required.
**3** If either C04003 or C04004 is present, then the other is required.
**4** If either C04005 or C04006 is present, then the other is required.
**Semantic Notes:**
**1** N906 reflects the time zone which the time reflects.
**2** N907 contains data relating to the value cited in N902.
**Comments:**
**Notes:**
[4] N9 SEGMENT - Transaction Content ID (DG 10)
SEGMENT CONDITION: Required for all shipments except by ocean.
[5] N9 SEGMENT - Route Order/Release No/Emergency Routings (DG 10)
SEGMENT CONDITION: Include this segment when moving a Tailored Transportation Contract (TTC) Traffic or SDDC routed shipment.
[6] N9 SEGMENT - Carrier Way/Freight Bill Number (DG 10)
SEGMENT CONDITION: Include this segment if the freight bill number is available.
[7] N9 SEGMENT - Authority Number (Contract/PO) (DG 10)
SEGMENT CONDITION: Use this segment if an authority number applies to the shipment.
[8] N9 SEGMENT - Service Agency Code (DG 10)
SEGMENT CONDITION: Use for Tailored Transportation Contract (TTC) Traffic only; not used for DLA. GFM will not cost DLA TTC shipments.
[9] N9 SEGMENT - Container TCN (DG 10)
SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.
[10] N9 SEGMENT - Container Transportation Tracking Number (TTN) (DG 10)
SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS when moving unit move cargo and Transportation Tracking Number is applicable.
[11] N9 SEGMENT - Carrier Booking Number (DG 10)
SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS - Direct Booking. Not used otherwise.
[12] N9 SEGMENT - Trade Route Number (DG 10)
SEGMENT CONDITION: Required for ocean shipments. Identifies the trade route a shipment was booked/moved on.
[13] N9 SEGMENT - Vessel Name (DG 10)
SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS - Direct Booking. Not used otherwise.
[14] N9 SEGMENT - Carrier Voyage Number (DG 10)
SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS.
[15] N9 SEGMENT - 3rd Party Logistics Coordinator Internal Order Number (DG 10)
SEGMENT CONDITION: Use for shipments with an internal order number assigned by a 3rd Party Logistics (DTCI or DFTS) coordinator's transportation management system and provided in the EDI Transportation Service Response transaction to the shipper.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **N901** | **128** | **Reference Identification Qualifier** | | **M ID 2/3** |
| | | | Code qualifying the Reference Identification | | |
| | | | [4-01] Transaction Content ID Qualifier (DG 10)<br>[5-01] Route Order/Release No/Emergency Routings Qualifier (DG 10)<br>[6-01] Carrier Way/Freight Bill Number Qualifier (DG 10)<br>[7-01] Authority Number (Contract/PO) Qualifier (DG 10)<br>[8-01] Service Agency Code Qualifier (DG 10)<br>[9-01] TCN for Each Container Qualifier (DG 10)<br>[10-01] Container Transportation Tracking Number (TTN) Qualifier (DG 10)<br>[11-01] Carrier Booking Number Qualifier (DG 10)<br>[12-01] Trade Route Number Qualifier (DG 10)<br>[13-01] Vessel Name Qualifier (DG 10)<br>[14-01] Carrier Voyage Number Qualifier (DG 10)<br>[15-01] 3rd Party Logistics (DTCI or DFTS) Internal Order Number Qualifier (DG 10) | | |
| | | | 18 | Plan Number | |
| | | | | The unique identification number assigned for a defined contribution plan | |
| | | | | [10-01] Plan Number<br>Use '18' to denote Container Transportation Tracking Number (TTN) Qualifier | |
| | | | ABS | Vessel Name | |
| | | | | [13-01] Vessel Name | |
| | | | BN | Booking Number | |
| | | | | [11-01] Booking Number | |
| | | | CB | Combined Shipment | |
| | | | | [15-01] Combined Shipment<br>Use 'CB' to denote DTCI Coordinator Internal Order Number | |
| | | | CN | Carrier's Reference Number (PRO/Invoice) | |
| | | | | [6-01] Carrier's Reference Number (PRO/Invoice) | |
| | | | CT | Contract Number | |
| | | | | [7-01] Contract Number | |
| | | | FI | File Identifier | |
| | | | | [4-01] File Identifier | |
| | | | PO | Purchase Order Number | |
| | | | | [7-01] Purchase Order Number | |
| | | | RE | Release Number | |
| | | | | [15-01] Release Number<br>Use 'RE' to denote Defense Freight Transportation Services (DFTS) Internal Order Number | |
| | | | RG | Route Order Number-Domestic | |
| | | | | [5-01] Route Order Number-Domestic | |
| | | | RH | Route Order Number-Export | |
| | | | | [5-01] Route Order Number-Export | |
| | | | RJ | Route Order Number-Emergency | |
| | | | | [5-01] Route Order Number-Emergency | |
| | | | RU | Route Number | |
| | | | | [12-01] Route Number | |
| | | | SV | Service Charge Number | |
| | | | | [8-01] Service Charge Number | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | TG | Transportation Control Number (TCN) | | |
| | | | | [9-01] Transportation Control Number (TCN) | | |
| | | | V3 | Voyage Number | | |
| | | | | [14-01] Voyage Number | | |
| >> | **N902** | **127** | **Reference Identification** | | **X** | **AN 1/30** |
| | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | |
| | | | [4-02] Transaction Content ID (DG 10)<br>This data element identifies the application contents of the 858. The following DoD-unique codes should be used by all trading partners to identify the data content in the transaction set:<br>[5-02] Route Order/Release No/Emergency Routings (DG 10)<br>[6-02] Carrier Way/Freight Bill Number (DG 10)<br>[7-02] Authority Number (Contract/PO) (DG 10)<br>Movements under contracts need to reflect the subcontract number for ocean shipments.<br>[8-02] Service Agency Code (DG 10)<br>[9-02] TCN for Each Container (DG 10)<br>[10-02] Container Transportation Tracking Number (TTN) (DG 10)<br>[11-02] Carrier Booking Number (DG 10)<br>[12-02] Trade Route Number (DG 10)<br>[13-02] Vessel Name (DG 10)<br>Shippers should take great care in spelling vessel name correctly.<br>[14-02] Carrier Voyage Number (DG 10)<br>[15-02] 3rd Party Logistics (DTCI or DFTS) Internal Order Number (DG 10)<br>Enter the internal order number assigned by the 3rd Party Logistics (DTCI or DFTS) coordinator's transportation management system and provided in the EDI Transportation Service Response transaction to the shipper. | | | |
| | | | A | New Code Added by IC | | |
| | | | | [8-02] Army | | |
| | | | B | New Code Added by IC | | |
| | | | | [8-02] Defense Mapping Agency | | |
| | | | CI | New Code Added by IC | | |
| | | | | [4-02] Cost Information | | |
| | | | CR | New Code Added by IC | | |
| | | | | [4-02] Cost Request | | |
| | | | DC | New Code Added by IC | | |
| | | | | [4-02] Doubtful Claim | | |
| | | | F | New Code Added by IC | | |
| | | | | [8-02] Air Force | | |
| | | | M | New Code Added by IC | | |
| | | | | [8-02] Marine Corps | | |
| | | | N | New Code Added by IC | | |
| | | | | [8-02] Navy | | |
| | | | P | New Code Added by IC | | |
| | | | | [8-02] Coast Guard | | |
| | | | S | New Code Added by IC | | |
| | | | | [8-02] Defense Logistics Agency | | |
| | | | SC | New Code Added by IC | | |
| | | | | [4-02] Shipment and Cost Information | | |
| | | | SI | New Code Added by IC | | |
| | | | | [4-02] Shipment Information | | |

| | | | | | |
|---|---|---|---|---|---|
| | | | SM New Code Added by IC | | |
| | | | [4-02] Supplemental Claim | | |
| | | | SP New Code Added by IC | | |
| | | | [4-02] Supplemental Bill | | |
| | | | U New Code Added by IC | | |
| | | | [8-02] GSA | | |
| | | | W New Code Added by IC | | |
| | | | [8-02] Army and AF Exchange | | |
| | | | X New Code Added by IC | | |
| | | | [8-02] Multi-Service | | |
| | | | Y New Code Added by IC | | |
| | | | [8-02] Non DoD - except Coast Guard | | |
| **X** | **N903** | **369** | **Free-form Description** | **X** | **AN 1/45** |
| | | | Free-form descriptive text | | |
| | **N904** | **373** | **Date** | **O** | **DT 8/8** |
| | | | Date expressed as CCYYMMDD | | |
| | | | [6-04] Carrier Way/Freight Bill Date (DG 10)<br>[7-04] Authority Number (Contract/PO) Date (DG 10) | | |
| **X** | **N905** | **337** | **Time** | **X** | **TM 4/8** |
| | | | 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) | | |
| **X** | **N906** | **623** | **Time Code** | **O** | **ID 2/2** |
| | | | Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| **X** | **N907** | **C040** | **Reference Identifier** | **O** | |
| | | | To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier | | |
| **X** | **C04001** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
| | | | Code qualifying the Reference Identification<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| **X** | **C04002** | **127** | **Reference Identification** | **M** | **AN 1/30** |
| | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | |
| **X** | **C04003** | **128** | **Reference Identification Qualifier** | **X** | **ID 2/3** |
| | | | Code qualifying the Reference Identification<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| **X** | **C04004** | **127** | **Reference Identification** | **X** | **AN 1/30** |
| | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | |
| **X** | **C04005** | **128** | **Reference Identification Qualifier** | **X** | **ID 2/3** |
| | | | Code qualifying the Reference Identification<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| **X** | **C04006** | **127** | **Reference Identification** | **X** | **AN 1/30** |
| | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | |

**Segment:** **Y7** **Priority**
**Position:** 080
**Loop:**
**Level:** Heading
**Usage:** Optional
**Max Use:** 1
**Purpose:** To assign a priority to a booking which would increase the possibility that this cargo would be booked on said voyage and not be shut out
**Syntax Notes:** **1** If either Y702 or Y703 is present, then the other is required.
**Semantic Notes:** **1** Y705 is the date specified by the shipper indicating when the shipment is required at the consignee's location.
**Comments:**
**Notes:** [16] Y7 SEGMENT - Transportation Priority Code (DG 10)
SEGMENT CONDITION: Use this segment if Military Standard Requisitioning and Issue Procedures (MILSTRIP) apply.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes | |
|---|---|---|---|---|---|---|
| >> | **Y701** | **467** | **Priority** | | **O** | **N0 1/1** |
| | | | Number indicating importance | | | |
| | | | [16-01] Transportation Priority Code (DG 10) | | | |
| | | | 1 | New Code Added by IC | | |
| | | | | [16-01] Level 1 | | |
| | | | 2 | New Code Added by IC | | |
| | | | | [16-01] Level 2 | | |
| | | | 3 | New Code Added by IC | | |
| | | | | [16-01] Level 3 | | |
| **X** | **Y702** | **470** | **Priority Code** | | **X** | **N0 1/1** |
| | | | Code indicating level of priority: 1-highest, 0-implies priority not assigned | | | |
| **X** | **Y703** | **471** | **Priority Code Qualifier** | | **X** | **AN 1/1** |
| | | | Number indicating the number of levels of priority (1 to 9) used for data element 470, Priority Code | | | |
| **X** | **Y704** | **468** | **Port Call File Number** | | **O** | **N0 4/4** |
| | | | Reference number assigned by a shipper | | | |
| **X** | **Y705** | **373** | **Date** | | **O** | **DT 8/8** |
| | | | Date expressed as CCYYMMDD | | | |

**Segment:** **C3** **Currency**
**Position:** 090
**Loop:**
**Level:** Heading
**Usage:** Optional
**Max Use:** 1
**Purpose:** To specify the currency being used in the transaction set
**Syntax Notes:**
**Semantic Notes:**
**1** C301 is the billing currency.
**2** C303 is the payment currency.
**3** C304 is the rated currency.
**Comments:**
**1** Currency is implied by the code for the country in whose currency the monetary amounts are specified.
**Notes:** [17] C3 SEGMENT - Currency Code (DG 10)
SEGMENT CONDITION: This segment indicates the currency used for the bill of lading. The segment is not required and will not be used when currency is in U.S. Dollars.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **C301** | **100** | **Currency Code**<br>Code (Standard ISO) for country in whose currency the charges are specified<br>[17-01] Currency Code (DG 10)<br>SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute. | **M** | **ID 3/3** |
| **X** | **C302** | **280** | **Exchange Rate**<br>Value to be used as a multiplier conversion factor to convert monetary value from one currency to another | **O** | **R 4/10** |
| **X** | **C303** | **100** | **Currency Code**<br>Code (Standard ISO) for country in whose currency the charges are specified | **O** | **ID 3/3** |
| **X** | **C304** | **100** | **Currency Code**<br>Code (Standard ISO) for country in whose currency the charges are specified | **O** | **ID 3/3** |

**Segment:** **G62** **Date/Time**
**Position:** 110
**Loop:**
**Level:** Heading
**Usage:** Optional (Must Use)
**Max Use:** 10
**Purpose:** To specify pertinent dates and times
**Syntax Notes:**
**1** At least one of G6201 or G6203 is required.
**2** If either G6201 or G6202 is present, then the other is required.
**3** If either G6203 or G6204 is present, then the other is required.
**Semantic Notes:**
**Comments:**
**Notes:**
[18] G62 SEGMENT - Bill of Lading/Shipping Instruction Prepared Date (DG 10)
[19] G62 SEGMENT - Desired/Required Delivery (DG 10)
[20] G62 SEGMENT - Carrier's Pickup (DG 10)
SEGMENT CONDITION: Not required for ocean shipments. Required for all other shipment information transactions except advanced shipment notification.
[21] G62 SEGMENT - Date Shipped to POE (DG 10)
SEGMENT CONDITION: Use only for ocean shipments.
[22] G62 SEGMENT - Adjusted Date Shipped to POE (DG 10)
SEGMENT CONDITION: Use only for ocean shipment.
[23] G62 SEGMENT - Delivery (DG 10)
SEGMENT CONDITION: Use segment when date of delivery is available.
[24] G62 SEGMENT - Sailing Date (DG 10)
SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| >> | **G6201** | **432** | **Date Qualifier**<br>Code specifying type of date<br>[18-01] Date Bill of Lading/Shipping Instruction Prepared Date Qualifier (DG 10)<br>[19-01] Desired/Required Delivery Date Qualifier (DG 10)<br>This qualifier must appear if desired/required delivery date is used. Under applicable ocean contracts, the Contract Delivery Date will take precedence over the Required Delivery Date. Code '67' used only for 3rd Party Logistics (Defense Transportation Coordination Initiative (DTCI) or Defense Freight Transportation Services (DFTS)) shipments.<br>[20-01] Carrier's Pickup Date Qualifier (DG 10)<br>SDDC will accept only code value '86' from shippers.<br>[21-01] Date Shipped to POE Qualifier (DG 10)<br>[22-01] Adjusted Date Shipped to POE Qualifier (DG 10)<br>[23-01] Date of Delivery Qualifier (DG 10)<br>[24-01] Sailing Date Qualifier (DG 10) | **X ID 2/2** |
| | | | 05 Sailing Date<br>[24-01] Sailing Date | |
| | | | 10 Requested Ship Date/Pick-up Date<br>[21-01] Requested Ship Date/Pick-up Date | |
| | | | 35 Delivered on This Date<br>[23-01] Delivered on This Date | |
| | | | 54 Deliver No Later Than Date<br>[19-01] Deliver No Later Than Date<br>Use '54' to denote Required Delivery Date | |
| | | | 67 Delivered By This Date<br>[19-01] Delivered By This Date<br>Use '67' to denote Mandatory Delivery Date | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 68 | Requested Delivery Date | | |
| | | | | [19-01] Requested Delivery Date<br>Use '68' to denote Desired Delivery Date | | |
| | | | 76 | Bill of Lading | | |
| | | | | [18-01] Bill of Lading | | |
| | | | 86 | Actual Pickup Date | | |
| | | | | [20-01] Actual Pickup Date | | |
| | | | BB | Transaction Control Date | | |
| | | | | The date when a transaction was prepared | | |
| | | | | [22-01] Transaction Control Date | | |
| >> | **G6202** | **373** | **Date** | | **X** | **DT 8/8** |
| | | | Date expressed as CCYYMMDD | | | |
| | | | [18-02] Date Bill of Lading/Shipping Instruction Prepared Date (DG 10)<br>The date on which the bill of lading was printed at the origin installation.<br>[19-02] Desired/Required Delivery Date (DG 10)<br>[20-02] Carrier's Pickup Date (DG 10)<br>[21-02] Date Shipped to POE (DG 10)<br>[22-02] Adjusted Date Shipped to POE (DG 10)<br>[23-02] Date of Delivery (DG 10)<br>[24-02] Sailing Date (DG 10) | | | |
| >> | **G6203** | **176** | **Time Qualifier** | | **X** | **ID 1/2** |
| | | | Code specifying the reported time | | | |
| | | | [20-03] Carrier's Pickup Time Qualifier (DG 10)<br>ELEMENT CONDITION: This element is required for Defense Transportation Tracking System (DTTS) shipments.<br>[22-03] Adjusted Time Shipped to POE Qualifier (DG 10) | | | |
| | | | 8 | Actual Pickup Time | | |
| | | | | [20-03] Actual Pickup Time | | |
| | | | W | Effective Time | | |
| | | | | [22-03] Effective Time | | |
| >> | **G6204** | **337** | **Time** | | **X** | **TM 4/8** |
| | | | 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) | | | |
| | | | [20-04] Carrier's Pickup Time (DG 10)<br>Use format HHMM.<br>ELEMENT CONDITION: This element is required for DTTS shipments.<br>[22-04] Adjusted Time Shipped to POE (DG 10)<br>Use format HHMMSS. | | | |

| | | | | | |
|---|---|---|---|---|---|
| >> | **G6205** | **623** | **Time Code** | **O** | **ID 2/2** |

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow
[20-05] Time Zone Indicator (DG 10)
If DTTS shipment, this segment occurs twice; once with code value 'LT' for local time and once with 'GM' for Greenwich time. If shipment is other than DTTS, use 'LT' local time only. Repeat G6201 and G6202 for both occurrences of the segment.
SOURCE: ISO 8601 available from American National Standards Institute
[22-05] Adjusted Time Code (DG 10)
SOURCE: ISO 8601 available from American National Standards Institute

| | |
|---|---|
| GM | Greenwich Mean Time |
| | [20-05] Greenwich Mean Time |
| LT | Local Time |
| | [20-05] Local Time<br>[22-05] Local Time |

**Segment:** **PER** **Administrative Communications Contact**
**Position:** 120
**Loop:**
**Level:** Heading
**Usage:** Optional
**Max Use:** 3
**Purpose:** To identify a person or office to whom administrative communications should be directed
**Syntax Notes:**
**1** If either PER03 or PER04 is present, then the other is required.
**2** If either PER05 or PER06 is present, then the other is required.
**3** If either PER07 or PER08 is present, then the other is required.
**Semantic Notes:**
**Comments:**
**Notes:** [25] PER SEGMENT - Shipment Contact (DG 10)
SEGMENT CONDITION: Use segment when telephone contact may be required with person receiving shipment.
[26] PER SEGMENT - Emergency Response Telephone No. (DG 10)
SEGMENT CONDITION: Use segment when shipment requires an emergency telephone contact.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes | |
|---|---|---|---|---|---|---|
| **M** | **PER01** | **366** | **Contact Function Code** | | **M** | **ID 2/2** |
| | | | Code identifying the major duty or responsibility of the person or group named | | | |
| | | | [25-01] Shipment Contact Qualifier (DG 10)<br>[26-01] Emergency Response Telephone No. Function Code (DG 10) | | | |
| | | | EF | Emergency Contact-Military Traffic Management Command (MTMC) | | |
| | | | | [26-01] Emergency Contact-Military Traffic Management Command (MTMC)<br>Use 'EF' to denote Emergency Contact - Military Surface Deployment and Distribution Command (SDDC) | | |
| | | | IC | Information Contact | | |
| | | | | [25-01] Information Contact | | |
| **X** | **PER02** | **93** | **Name** | | **O** | **AN 1/60** |
| | | | Free-form name | | | |
| **>>** | **PER03** | **365** | **Communication Number Qualifier** | | **X** | **ID 2/2** |
| | | | Code identifying the type of communication number | | | |
| | | | [25-03] Shipment Contact Qualifier (DG 10)<br>[26-03] Emergency Response Telephone No. Qualifier (DG 10) | | | |
| | | | AU | Defense Switched Network | | |
| | | | | Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON) | | |
| | | | | [25-03] Defense Switched Network<br>[26-03] Defense Switched Network | | |
| | | | FT | Federal Telecommunications System (FTS) | | |
| | | | | [25-03] Federal Telecommunications System (FTS) | | |
| | | | IT | International Telephone | | |
| | | | | [26-03] International Telephone | | |
| | | | TE | Telephone | | |
| | | | | [25-03] Telephone<br>[26-03] Telephone | | |

| | | | | | |
|---|---|---|---|---|---|
| >> | **PER04** | **364** | **Communication Number**<br>Complete communications number including country or area code when applicable<br>[25-04] Shipment Contact Telephone No. (DG 10)<br>Telephone number of shipment POC.<br>[26-04] Emergency Response Telephone No. (DG 10) | **X** | **AN 1/80** |
| **X** | **PER05** | **365** | **Communication Number Qualifier**<br>Code identifying the type of communication number<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 2/2** |
| **X** | **PER06** | **364** | **Communication Number**<br>Complete communications number including country or area code when applicable | **X** | **AN 1/80** |
| **X** | **PER07** | **365** | **Communication Number Qualifier**<br>Code identifying the type of communication number<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 2/2** |
| **X** | **PER08** | **364** | **Communication Number**<br>Complete communications number including country or area code when applicable | **X** | **AN 1/80** |
| **X** | **PER09** | **443** | **Contact Inquiry Reference**<br>Additional reference number or description to clarify a contact number | **O** | **AN 1/20** |

**Segment:** **F9** **Origin Station**
**Position:** 140
**Loop:**
**Level:** Heading
**Usage:** Optional
**Max Use:** 1
**Purpose:** To identify the rail origin of the shipment
**Syntax Notes:**
**Semantic Notes:**
**1** F902 is the origin station for movement.
**2** F904 is the country code for the city named in the F902.
**3** F905 is the freight station accounting code of the origin junction settlement carrier.
**4** F908 is the Standard Point Location Code (SPLC) for the city named in the F902.
**5** F909 is the postal code for the city named in the F902.
**6** F910 is the Standard Point Location Code (SPLC) for the city named in the F906.
**7** F911 is the postal code for the city named in the F906.
**8** F912 is the country code for the city named in the F906.
**Comments:**
**1** F905 is the freight station accounting code of the city named in F906.
**Notes:** [27] F9 SEGMENT - Originating Railroad Station (DG 72)
SEGMENT CONDITION: Use to designate origination railroad station as applicable.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **X** | **F901** | **573** | **Freight Station Accounting Code**<br>Code (Freight Station Accounting) (AAR Managed Code for Locations) | **O** | **ID 1/5** |
| **M** | **F902** | **19** | **City Name**<br>Free-form text for city name<br>[27-02] Originating Railroad Station (DG 72)<br>Name of railroad station where shipment originated. | **M** | **AN 2/30** |
| **M** | **F903** | **156** | **State or Province Code**<br>Code (Standard State/Province) as defined by appropriate government agency<br>[27-03] State of Originating Railroad Station (DG 72)<br>SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center | **M** | **ID 2/2** |
| **X** | **F904** | **26** | **Country Code**<br>Code identifying the country | **O** | **ID 2/3** |
| **X** | **F905** | **573** | **Freight Station Accounting Code**<br>Code (Freight Station Accounting) (AAR Managed Code for Locations) | **O** | **ID 1/5** |
| **X** | **F906** | **19** | **City Name**<br>Free-form text for city name | **O** | **AN 2/30** |
| **X** | **F907** | **156** | **State or Province Code**<br>Code (Standard State/Province) as defined by appropriate government agency | **O** | **ID 2/2** |
| | **F908** | **154** | **Standard Point Location Code**<br>Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city<br>[27-08] SPLC of Originating Railroad Station (DG 72)<br>SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc. | **O** | **ID 6/9** |
| **X** | **F909** | **116** | **Postal Code**<br>Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | **O** | **ID 3/15** |
| **X** | **F910** | **154** | **Standard Point Location Code**<br>Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city | **O** | **ID 6/9** |

| | | | | | |
|---|---|---|---|---|---|
| **X** | **F911** | **116** | **Postal Code**<br>Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | **O** | **ID 3/15** |
| **X** | **F912** | **26** | **Country Code**<br>Code identifying the country | **O** | **ID 2/3** |

**Segment:** **D9** **Destination Station**
**Position:** 150
**Loop:**
**Level:** Heading
**Usage:** Optional
**Max Use:** 1
**Purpose:** To identify the rail destination of the shipment
**Syntax Notes:**
**Semantic Notes:**
**1** D902 is the destination station of movement.
**2** D904 is the country code for the city named in the D902.
**3** D905 is the freight station accounting code of the destination junction settlement carrier.
**4** D908 is the Standard Point Location Code (SPLC) for the city named in the D902.
**5** D909 is the postal code for the city names in the D902.
**6** D910 is the Standard Point Location Code (SPLC) for the city named in the D906.
**7** D911 is the postal code for the city named in the D906.
**8** D912 is the country code for the city named in the D906.
**Comments:**
**1** D905 is the freight station accounting code of the city name in D906.
**Notes:** [28] D9 SEGMENT - Destination Railroad Station (DG 71)
SEGMENT CONDITION: Use to designate destination railroad station as applicable.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **X** | **D901** | **573** | **Freight Station Accounting Code**<br>Code (Freight Station Accounting) (AAR Managed Code for Locations) | **O** | **ID 1/5** |
| **M** | **D902** | **19** | **City Name**<br>Free-form text for city name<br>[28-02] Destination Railroad Station (DG 71)<br>Name of railroad station where shipment will terminate. | **M** | **AN 2/30** |
| **M** | **D903** | **156** | **State or Province Code**<br>Code (Standard State/Province) as defined by appropriate government agency<br>[28-03] State of Destination Railroad Station (DG 71)<br>SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center | **M** | **ID 2/2** |
| **X** | **D904** | **26** | **Country Code**<br>Code identifying the country | **O** | **ID 2/3** |
| **X** | **D905** | **573** | **Freight Station Accounting Code**<br>Code (Freight Station Accounting) (AAR Managed Code for Locations) | **O** | **ID 1/5** |
| **X** | **D906** | **19** | **City Name**<br>Free-form text for city name | **O** | **AN 2/30** |
| **X** | **D907** | **156** | **State or Province Code**<br>Code (Standard State/Province) as defined by appropriate government agency | **O** | **ID 2/2** |
| | **D908** | **154** | **Standard Point Location Code**<br>Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city<br>[28-08] SPLC of Destination Railroad Station (DG 71)<br>SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc. | **O** | **ID 6/9** |
| **X** | **D909** | **116** | **Postal Code**<br>Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | **O** | **ID 3/15** |
| **X** | **D910** | **154** | **Standard Point Location Code**<br>Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city | **O** | **ID 6/9** |

| | | | | | |
|---|---|---|---|---|---|
| **X** | **D911** | **116** | **Postal Code**<br>Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | **O** | **ID 3/15** |
| **X** | **D912** | **26** | **Country Code**<br>Code identifying the country | **O** | **ID 2/3** |

**Segment:** **R2** **Route Information**
**Position:** 170
**Loop:**
**Level:** Heading
**Usage:** Optional
**Max Use:** 13
**Purpose:** To specify carrier and routing sequences and details
**Syntax Notes:** **1** If R208 is present, then R207 is required.
**Semantic Notes:** **1** R203 is the station or city name at which carriers interchange shipments.
**2** R210 is the billing date.
**Comments:**
**Notes:** [29] R2 SEGMENT - Interline or 3PL Carrier (DG 10)
SEGMENT CONDITION: For non-3PL coordinated shipments (Defense Transportation Coordination Initiative (DTCI) or Defense Freight Transportation Services (DFTS)) use this segment if interline carriers are used during shipment. However, shipper systems are not required to provide Interline Carrier Routing information for rail movements. For 3PL shipments (DTCI or DFTS), use this segment to identify the carrier to whom the 3PL coordinator has assigned the shipment.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| **M** | **R201** | **140** | **Standard Carrier Alpha Code** | **M ID 2/4** |
| | | | Standard Carrier Alpha Code | |
| | | | [29-01] Via (Routing) SCAC (DG 10)<br>For non-3PL coordinated shipments (DTCI or DFTS) enter SCAC of interline and destination carrier(s) in sequence after origin carrier. The origin carrier should not be included in an interline list. For 3PL coordinated shipments (DTCI or DFTS), enter the SCAC of the carrier to whom the 3PL coordinator assigned the shipment.<br>SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc. | |
| **M** | **R202** | **133** | **Routing Sequence Code** | **M ID 1/2** |
| | | | Code describing the relationship of a carrier to a specific shipment movement | |
| | | | [29-02] Via (Routing) SCAC Qualifier (DG 10)<br>Use 'B' for 3PL shipments (DTCI or DFTS) to indicate the carrier the 3PL coordinator assigned to the shipment. | |
| | | | 1 1st Carrier after Origin Carrier | |
| | | | [29-02] 1st Carrier after Origin Carrier | |
| | | | 2 2nd Carrier after Origin Carrier | |
| | | | [29-02] 2nd Carrier after Origin Carrier | |
| | | | 3 3rd Carrier after Origin Carrier | |
| | | | [29-02] 3rd Carrier after Origin Carrier | |
| | | | 4 4th Carrier after Origin Carrier | |
| | | | [29-02] 4th Carrier after Origin Carrier | |
| | | | 5 5th Carrier after Origin Carrier | |
| | | | [29-02] 5th Carrier after Origin Carrier | |
| | | | A Origin Carrier, Agent's Routing (Rail) | |
| | | | [29-02] Origin Carrier, Agent's Routing (Rail) | |
| | | | B Origin/Delivery Carrier (Any Mode) | |
| | | | [29-02] Origin/Delivery Carrier (Any Mode) | |
| | | | D DELY (Delivery Switch Carrier) | |
| | | | [29-02] DELY (Delivery Switch Carrier) | |
| | | | H Haulage Rights Carrier and Junction | |
| | | | [29-02] Haulage Rights Carrier and Junction | |

| | | | | | |
|---|---|---|---|---|---|
| | | | I | Origin Switch Carrier | |
| | | | | [29-02] Origin Switch Carrier | |
| | | | M | Haulage Movement Carrier and Junction | |
| | | | | [29-02] Haulage Movement Carrier and Junction | |
| | | | O | Origin Carrier (Air, Motor, or Ocean) | |
| | | | | [29-02] Origin Carrier (Air, Motor, or Ocean) | |
| | | | R | Origin Carrier, Rule 11 Shipment | |
| | | | | [29-02] Origin Carrier, Rule 11 Shipment | |
| | | | S | Origin Carrier, Shipper's Routing (Rail) | |
| | | | | [29-02] Origin Carrier, Shipper's Routing (Rail) | |
| | | | V | Intermediate Switch Carrier | |
| | | | | [29-02] Intermediate Switch Carrier | |
| | | | Z | Mutually Defined | |
| | | | | [29-02] Mutually Defined | |
| | **R203** | **19** | **City Name** | **O** | **AN 2/30** |
| | | | Free-form text for city name | | |
| | | | [29-03] Via (Routing) Location (DG 10) | | |
| | **R204** | **154** | **Standard Point Location Code** | **O** | **ID 6/9** |
| | | | Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city | | |
| | | | [29-04] Via (Routing) SPLC (DG 10)<br>SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc. | | |
| **X** | **R205** | **177** | **Intermodal Service Code** | **O** | **ID 1/2** |
| | | | Code identifying the Intermodal Service Plan | | |
| **X** | **R206** | **91** | **Transportation Method/Type Code** | **O** | **ID 1/2** |
| | | | Code specifying the method or type of transportation for the shipment<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| **X** | **R207** | **296** | **Intermediate Switch Carrier** | **X** | **ID 2/4** |
| | | | Code defining a road which neither originates nor terminates the shipment but provides a switching service between two roadhaul rail carriers (SCAC code for rail switch carrier) | | |
| **X** | **R208** | **296** | **Intermediate Switch Carrier** | **O** | **ID 2/4** |
| | | | Code defining a road which neither originates nor terminates the shipment but provides a switching service between two roadhaul rail carriers (SCAC code for rail switch carrier) | | |
| **X** | **R209** | **76** | **Invoice Number** | **O** | **AN 1/22** |
| | | | Identifying number assigned by issuer | | |
| **X** | **R210** | **373** | **Date** | **O** | **DT 8/8** |
| | | | Date expressed as CCYYMMDD | | |
| **X** | **R211** | **369** | **Free-form Description** | **O** | **AN 1/45** |
| | | | Free-form descriptive text | | |
| **X** | **R212** | **56** | **Type of Service Code** | **O** | **ID 2/2** |
| | | | Code specifying extent of transportation service requested<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| **X** | **R213** | **742** | **Route Description** | **O** | **AN 1/35** |
| | | | Point to point routing description | | |

**Segment:** **R4** **Port or Terminal**
**Position:** 180
**Loop:**
**Level:** Heading
**Usage:** Optional
**Max Use:** 5
**Purpose:** Contractual or operational port or point relevant to the movement of the cargo
**Syntax Notes:** **1** If either R402 or R403 is present, then the other is required.
**Semantic Notes:**
**Comments:** **1** R4 is required for each port to be identified.
**Notes:** [30] R4 SEGMENT - POE (DG 10)
SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.
[31] R4 SEGMENT - POD (DG 10)
SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| **M** | **R401** | **115** | **Port or Terminal Function Code**<br>Code defining function performed at the port or terminal with respect to a shipment<br>[30-01] Port or Terminal Function Code (DG 10)<br>[31-01] Port or Terminal Function Code (DG 10)<br>D Port of Discharge (Operational)<br>Port at which cargo is unloaded from vessel<br>[31-01] Port of Discharge (Operational)<br>L Port of Loading (Operational)<br>Port at which cargo is loaded on vessel<br>[30-01] Port of Loading (Operational) | **M ID 1/1** |
| >> | **R402** | **309** | **Location Qualifier**<br>Code identifying type of location<br>[30-02] Location Qualifier (DG 10)<br>SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)<br>[31-02] Location Qualifier (DG 10)<br>SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)<br>IM Military Standard Movement Procedures (MILSTAMP)<br>[30-02] Military Standard Movement Procedures (MILSTAMP)<br>[31-02] Military Standard Movement Procedures (MILSTAMP) | **X ID 1/2** |
| | **R403** | **310** | **Location Identifier**<br>Code which identifies a specific location<br>[30-03] POE (DG 10)<br>[31-03] POD (DG 10) | **X AN 1/30** |
| **X** | **R404** | **114** | **Port Name**<br>Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property | **O AN 2/24** |
| **X** | **R405** | **26** | **Country Code**<br>Code identifying the country | **O ID 2/3** |
| **X** | **R406** | **174** | **Terminal Name**<br>Free-form field for terminal name | **O AN 2/30** |

| | | | | | |
|---|---|---|---|---|---|
| **X** | **R407** | **113** | **Pier Number**<br>Identifying number for the pier | **O** | **AN 1/4** |
| **X** | **R408** | **156** | **State or Province Code**<br>Code (Standard State/Province) as defined by appropriate government agency | **O** | **ID 2/2** |

**Segment:** **H3** **Special Handling Instructions**
**Position:** 200
**Loop:**
**Level:** Heading
**Usage:** Optional
**Max Use:** 20
**Purpose:** To specify special handling instructions in coded or free-form format
**Syntax Notes:** **1** Only one of H301 or H302 may be present.
**Semantic Notes:**
**Comments:**
**Notes:** [32] H3 SEGMENT - Accessorial/Protective Service (DG 10)
SEGMENT CONDITION: Use if shipper orders accessorial services from the carrier. Use also if the Defense Transportation Tracking System (DTTS) is required.
[33] H3 SEGMENT - Actual Surveillance Service and Requesting Party (DG 10)
SEGMENT CONDITION: Use this segment when ordering surveillance services.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| >> | **H301** | **152** | **Special Handling Code**<br>Code specifying special transportation handling instructions<br>[32-01] Accessorial/Protective Service Ordered Identifier (DG 10)<br>Order accessorial services with this data element. To order accessorial services, the carrier industry requires the use of the H3 segment. This code also appears in the HL Accessorial/Protective Service (formerly LX 300) loop which is used to cost accessorial services. Do not use this element to order surveillance services; use the next occurrence of the H3 segment.<br><br>See Section 6.0 for valid code list.<br>SOURCE: Reference Section 6.0 of this IC beginning at page 6.14 for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.<br>Sample Values: 045,495,500,AAM,AAS<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 2/3** |
| >> | **H302** | **153** | **Special Handling Description**<br>Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate<br>[33-02] Actual Surveillance Service and Requesting Party (DG 10)<br>Use this data element for requesting Surveillance Services only. See H301 for the applicable code values to enter in this data element. Do not use this data element to order accessorial services. Rather, use the H301 data element in a separate occurrence of the H3 segment for non-surveillance services. Provide the military service code to indicate the requesting party. Military service codes are: A = Army, N = Navy, F = Air Force, M = Marine Corps, P = Coast guard, and S = Defense Logistics Agency. Use a comma for the sub element delimiter between the actual service code and the requesting party. | **X** | **AN 2/30** |
| **X** | **H303** | **241** | **Protective Service Code**<br>Code specifying perishable protective service- rail carriers only<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/4** |
| **X** | **H304** | **242** | **Vent Instruction Code**<br>Code specifying vent instructions<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/7** |

| | | | | | |
|---|---|---|---|---|---|
| **X** | **H305** | **257** | **Tariff Application Code**<br>Code indicating to which traffic a tariff applies<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/1** |

**Segment:** **E1** **Empty Car Disposition - Pended Destination Consignee**
**Position:** 220
**Loop:** E1 Optional
**Level:** Heading
**Usage:** Optional
**Max Use:** 1
**Purpose:** To identify the party receiving the empty car
**Syntax Notes:** **1** If either E102 or E103 is present, then the other is required.
**Semantic Notes:**
**Comments:**
**Notes:** [34] E1 SEGMENT - Receiving Party For Empty Railcar (DG 10)
LOOP CONDITION: Use when shipment employs an empty railcar.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **E101** | **459** | **Name (30 Character Format)**<br>Free-form organization name or official title as it should appear for mailing address<br>[34-01] Name of Receiving Party For Empty Railcar (DG 10)<br>From the bill of lading continuation page. | **M** | **AN 2/30** |
| **X** | **E102** | **66** | **Identification Code Qualifier**<br>Code designating the system/method of code structure used for Identification Code (67)<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 1/2** |
| **X** | **E103** | **67** | **Identification Code**<br>Code identifying a party or other code | **X** | **AN 2/80** |

**Segment:** **E4** **Empty Car Disposition - Pended Destination City**
**Position:** 230
**Loop:** E1 Optional
**Level:** Heading
**Usage:** Optional
**Max Use:** 1
**Purpose:** To specify the geographic place of named party receiving the empty car
**Syntax Notes:**
**Semantic Notes:**
**Comments:**
**Notes:** [35] E4 SEGMENT - City for Receiving Empty Railcar (DG 10)
SEGMENT CONDITION: Use when shipment employs an empty railcar.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **E401** | **19** | **City Name** | **M** | **AN 2/30** |
| | | | Free-form text for city name | | |
| | | | [35-01] City for Receiving Empty Railcar (DG 10)<br>From the bill of lading continuation page. | | |
| **M** | **E402** | **156** | **State or Province Code** | **M** | **ID 2/2** |
| | | | Code (Standard State/Province) as defined by appropriate government agency | | |
| | | | [35-02] State for Receiving Empty Railcar (DG 10)<br>From the bill of lading continuation page.<br>SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center | | |
| **X** | **E403** | **116** | **Postal Code** | **O** | **ID 3/15** |
| | | | Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | | |
| **X** | **E404** | **26** | **Country Code** | **O** | **ID 2/3** |
| | | | Code identifying the country | | |

**Segment:** **E5** **Empty Car Disposition - Pended Destination Route**
**Position:** 240
**Loop:** E1 Optional
**Level:** Heading
**Usage:** Optional
**Max Use:** 13
**Purpose:** To specify the routing of the empty car
**Syntax Notes:**
**Semantic Notes:**
**Comments:**
**Notes:** [36] E5 SEGMENT - Routing SCAC (DG 10)
SEGMENT CONDITION: Use if SCAC is applicable.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **E501** | **140** | **Standard Carrier Alpha Code** | **M** | **ID 2/4** |
| | | | Standard Carrier Alpha Code | | |
| | | | [36-01] Routing SCAC for Empty Railcar (DG 10)<br>From the bill of lading continuation page.<br>SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc. | | |
| **M** | **E502** | **133** | **Routing Sequence Code** | **M** | **ID 1/2** |
| | | | Code describing the relationship of a carrier to a specific shipment movement | | |
| | | | [36-02] Routing SCAC Sequence Number (DG 10)<br>From the bill of lading continuation page. | | |
| | | | 1 1st Carrier after Origin Carrier | | |
| | | | [36-02] 1st Carrier after Origin Carrier | | |
| | | | 2 2nd Carrier after Origin Carrier | | |
| | | | [36-02] 2nd Carrier after Origin Carrier | | |
| | | | 3 3rd Carrier after Origin Carrier | | |
| | | | [36-02] 3rd Carrier after Origin Carrier | | |
| | | | 4 4th Carrier after Origin Carrier | | |
| | | | [36-02] 4th Carrier after Origin Carrier | | |
| | | | 5 5th Carrier after Origin Carrier | | |
| | | | [36-02] 5th Carrier after Origin Carrier | | |
| **X** | **E503** | **19** | **City Name** | **O** | **AN 2/30** |
| | | | Free-form text for city name | | |
| **X** | **E504** | **154** | **Standard Point Location Code** | **O** | **ID 6/9** |
| | | | Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city | | |

**Segment:** **L7** **Tariff Reference**
**Position:** 270
**Loop:**
**Level:** Heading
**Usage:** Optional
**Max Use:** 30
**Purpose:** To reference details of the tariff used to arrive at applicable rates or charge
**Syntax Notes:**
**Semantic Notes:** **1** L710 is the effective date.
**2** In L715 and L716, "City" and "State" are used for rate combination city and state.
**Comments:**
**Notes:** [37] L7 SEGMENT - Tariff Distance (DG 10)
SEGMENT CONDITION: Required for all modes except ocean. When used, there are different rules for CONUS and OCONUS mileages. This segment may be repeated up to two times (one for CONUS, the other for OCONUS).

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **X** | **L701** | **213** | **Lading Line Item Number**<br>Sequential line number for a lading item | **O** | **N0 1/3** |
| **X** | **L702** | **168** | **Tariff Agency Code**<br>Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment | **O** | **ID 1/4** |
| **X** | **L703** | **171** | **Tariff Number**<br>Standard tariff number for the tariff which governs the rates applied to the commodity item(s) | **O** | **AN 1/7** |
| **X** | **L704** | **172** | **Tariff Section**<br>Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff | **O** | **AN 1/2** |
| **X** | **L705** | **169** | **Tariff Item Number**<br>Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment | **O** | **AN 1/16** |
| **X** | **L706** | **170** | **Tariff Item Part**<br>Number assigned to subsection of a specific tariff item (arbitrary) | **O** | **N0 1/2** |
| **X** | **L707** | **59** | **Freight Class Code**<br>Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc. | **O** | **AN 2/5** |
| **X** | **L708** | **173** | **Tariff Supplement Identifier**<br>Identifier for the tariff supplement which contains the rate used | **O** | **AN 1/4** |
| **X** | **L709** | **46** | **Ex Parte**<br>Level of rates as published in the tariff | **O** | **AN 4/4** |
| **X** | **L710** | **373** | **Date**<br>Date expressed as CCYYMMDD | **O** | **DT 8/8** |
| **X** | **L711** | **119** | **Rate Basis Number**<br>The (mileage) factor published for rating purposes in the appropriate tariff | **O** | **AN 1/6** |
| **X** | **L712** | **227** | **Tariff Column**<br>A tariff commodity classification that is used, as a means of control, for grouping of commodities in tariff applications | **O** | **AN 1/2** |
| >> | **L713** | **294** | **Tariff Distance**<br>Distance on which the rate for a shipment is based<br>[37-13] Tariff Distance (mileage) (DG 10)<br>Mileage used for rating shipment. | **O** | **N0 1/5** |

| | | | | | |
|---|---|---|---|---|---|
| >> | **L714** | **295** | **Distance Qualifier** | **O** | **ID 1/1** |
| | | | Code identifying the distance unit | | |
| | | | [37-14] Distance (mileage) Qualifier (DG 10) | | |
| | | | M Miles (Actual) | | |
| | | | [37-14] Miles (Actual)<br>Use 'M' to denote CONUS mileage (used for ocean shipments only) | | |
| | | | T Tariff Miles | | |
| | | | [37-14] Tariff Miles<br>Use 'T' to denote OCONUS mileage | | |
| **X** | **L715** | **19** | **City Name** | **O** | **AN 2/30** |
| | | | Free-form text for city name | | |
| **X** | **L716** | **156** | **State or Province Code** | **O** | **ID 2/2** |
| | | | Code (Standard State/Province) as defined by appropriate government agency | | |

**Segment:** **NTE** **Note/Special Instruction**
**Position:** 280
**Loop:**
**Level:** Heading
**Usage:** Optional
**Max Use:** 50
**Purpose:** To transmit information in a free-form format, if necessary, for comment or special instruction
**Syntax Notes:**
**Semantic Notes:**
**Comments:** **1** The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.
**Notes:** [38] NTE SEGMENT - Change Notice (DG 10)
SEGMENT CONDITION: Use when Change Notice applies.
[39] NTE SEGMENT - Routing Instruction Note (DG 10)
SEGMENT CONDITION: Use when routing instruction note applies.
[40] NTE SEGMENT - Load Use (DG 10)
SEGMENT CONDITION: Use for Defense Transportation Tracking System (DTTS) shipments.
[41] NTE SEGMENT - DoD Classification Instructions (DG 10)
SEGMENT CONDITION: Use for Defense Transportation Tracking System (DTTS) shipments.
[42] NTE SEGMENT - Shipper Instructions (DG 10)
SEGMENT CONDITION: Use when additional shipper instructions apply for ocean shipments.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| >> | **NTE01** | **363** | **Note Reference Code**<br>Code identifying the functional area or purpose for which the note applies<br>[38-01] Change Notice Qualifier (DG 10)<br>[39-01] Routing Instruction Note (RIN) Code Qualifier (DG 10)<br>[40-01] Load Use Qualifier (DG 10)<br>[41-01] DoD Classification Instructions Qualifier (DG 10)<br>Use to denote the highest security classification of an item within the shipment (i.e. the highest classified Controlled Inventory Item Code (CIIC) within the shipment).<br>[42-01] Shipper Instructions Code (DG 10) | **O ID 3/3** |
| | | | ADD — Additional Information<br>[42-01] Additional Information<br>Use 'ADD' to denote Shipper Instructions to the Consignee or to the Carrier | |
| | | | CHG — Change<br>[38-01] Change | |
| | | | CLR — Security Clearance Instructions<br>Used to describe the level of security clearance required for individuals viewing information<br>[41-01] Security Clearance Instructions<br>Use 'CLR' to denote Emergency Contact - Military Surface Deployment and Distribution Command (SDDC) | |
| | | | INT — General Order Instructions<br>[39-01] General Order Instructions | |
| | | | LOI — Loading Instructions<br>[40-01] Loading Instructions | |

| | | | | | |
|---|---|---|---|---|---|
| **M** | **NTE02** | **352** | **Description** | **M** | **AN 1/80** |

A free-form description to clarify the related data elements and their content

[38-02] Change Notice (DG 10)
Identifies the kind of change (correction) to the bill of lading.
SOURCE: Reference Section 5.0 (DTEB Freight Bill of Lading Shipment Information Implementation Convention) for a description of the indicator code positions and an example of a populated indicator string.
[39-02] Routing Instruction Note (RIN) Code (DG 10)
SOURCE: USTRANSCOM J5-PT
[40-02] Load Use Instructions (DG 10)
[41-02] DoD Classification Instructions (DG 10)
[42-02] Shipper Instructions (DG 10)
Enter text information from the paper bill of lading.

| | |
|---|---|
| C | New Code Added by IC |
| | [41-02] Confidential |
| EXCLUSIVE | New Code Added by IC |
| | [40-02] |
| NONEXCLUSIVE | |
| | New Code Added by IC |
| | [40-02] |
| S | New Code Added by IC |
| | [41-02] Secret |
| U | New Code Added by IC |
| | [41-02] Unclassified |

**Segment:** **N7** **Equipment Details**
**Position:** 330
**Loop:** N7 Optional
**Level:** Heading
**Usage:** Optional
**Max Use:** 1
**Purpose:** To identify the equipment
**Syntax Notes:**
**1** If either N703 or N704 is present, then the other is required.
**2** If either N705 or N716 is present, then the other is required.
**3** If either N708 or N709 is present, then the other is required.
**Semantic Notes:**
**1** N712 is the owner of the equipment.
**2** N723 is the operator or carrier of the rights of the equipment.
**Comments:**
**1** N701 is mandatory for rail transactions.
**2** N720 and N721 are expressed in inches.
**Notes:** [43] N7 SEGMENT - Primary Equipment Furnished (DG 60) Use as many N7 loops as required to identify equipment furnished.
LOOP CONDITION: For ocean shipments, this information is needed to facilitate Customs clearance. If the bill of lading is for movements using motor, rail, or bulk fuel conveyances, DG 60 must appear.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| | **N701** | **206** | **Equipment Initial**<br>Prefix or alphabetic part of an equipment unit's identifying number<br>[43-01] Primary Equipment Initials (DG 60)<br>For rail shipments, this data element is MANDATORY; it carries the equipment prefix used to describe railcars, trailers, and containers.<br>For motor and air shipments, if the value in N702 is other than 'NONE', or the equipment initials are not available, use the SCAC. Primary equipment is that equipment ordered by the shipper from the carrier. That equipment type ordered, or its equivalent, is furnished by the carrier and used in the transportation of the shipment. The shipper pays only for the primary equipment ordered.<br><br>For ocean shipments, use the initials on the container (never the carrier SCAC).<br>ELEMENT CONDITION: For rail shipments, this data element is MANDATORY; it carries the equipment prefix used to describe railcars, trailers, and containers.<br>SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association | **O** | **AN 1/4** |
| **M** | **N702** | **207** | **Equipment Number**<br>Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)<br>[43-02] Primary Equipment Numbers (DG 60)<br>For rail shipments, this data element carries the serial number of the railcars, trailers, and containers. For motor and air shipments, if specific equipment is not ordered, carry the word 'NONE' in this data element. | **M** | **AN 1/10** |
| | **N703** | **81** | **Weight**<br>Numeric value of weight<br>[43-03] Weight Capacity Primary Equipment Furnished (DG 60)<br>Express in 1000 LB units. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. | **X** | **R 1/10** |

| | | | | | |
|---|---|---|---|---|---|
| | **N704** | **187** | **Weight Qualifier**<br>Code defining the type of weight<br>[43-04] Weight Capacity Primary Equipment Furnished Qualifier (DG 60)<br>ELEMENT CONDITION: Required if N705 is used.<br>N Actual Net Weight<br>[43-04] Actual Net Weight | **X** | **ID 1/2** |
| **X** | **N705** | **167** | **Tare Weight**<br>Weight of the equipment | **X** | **N0 3/8** |
| **X** | **N706** | **232** | **Weight Allowance**<br>Allowance made for increased weight due to such factors as snow | **O** | **N0 2/6** |
| **X** | **N707** | **205** | **Dunnage**<br>Weight of material used to protect lading (even bracings, false floors, etc.) | **O** | **N0 1/6** |
| | **N708** | **183** | **Volume**<br>Value of volumetric measure<br>[43-08] Cube Capacity Primary Equipment Furnished (DG 60)<br>ELEMENT CONDITION: Include if the carrier provides equipment different than that which was ordered, or if reporting the internal cube of a container. | **X** | **R 1/8** |
| | **N709** | **184** | **Volume Unit Qualifier**<br>Code identifying the volume unit<br>[43-09] Cube Capacity Primary Equipment Furnished Qualifier (DG 60)<br>ELEMENT CONDITION: This qualifier must appear if cube capacity carrier equipment furnished is used.<br>E Cubic Feet<br>[43-09] Cubic Feet | **X** | **ID 1/1** |
| **X** | **N710** | **102** | **Ownership Code**<br>Code indicating the relationship of equipment to carrier or ownership of equipment<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/1** |
| **X** | **N711** | **40** | **Equipment Description Code**<br>Code identifying type of equipment used for shipment<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |
| **X** | **N712** | **140** | **Standard Carrier Alpha Code**<br>Standard Carrier Alpha Code | **O** | **ID 2/4** |
| | **N713** | **319** | **Temperature Control**<br>Free-form abbreviation of temperature range or flash-point temperature<br>[43-13] Temperature Control (DG 60)<br>Use to specify temperature setting for reefer shipments. For ocean shipments indicate minimum and maximum temperature. | **O** | **AN 3/6** |
| **X** | **N714** | **219** | **Position**<br>Relative position of shipment in car, trailer, or container (mutually defined) | **O** | **AN 1/3** |
| | **N715** | **567** | **Equipment Length**<br>Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)<br>[43-15] Length Capacity Primary Equipment Furnished (DG 60)<br>ELEMENT CONDITION: Include if the carrier provides equipment different than that which was ordered. | **O** | **N0 4/5** |
| **X** | **N716** | **571** | **Tare Qualifier Code**<br>Code identifying the type of tare<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 1/1** |

| | | | | | |
|---|---|---|---|---|---|
| **X** | **N717** | **188** | **Weight Unit Code**<br>Code specifying the weight unit<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/1** |
| **X** | **N718** | **761** | **Equipment Number Check Digit**<br>Number which designates the check digit applied to a piece of equipment | **O** | **N0 1/1** |
| **X** | **N719** | **56** | **Type of Service Code**<br>Code specifying extent of transportation service requested<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |
| **X** | **N720** | **65** | **Height**<br>Vertical dimension of an object measured when the object is in the upright position | **O** | **R 1/8** |
| **X** | **N721** | **189** | **Width**<br>Shorter measurement of the two horizontal dimensions measured with the object in the upright position | **O** | **R 1/8** |
| >> | **N722** | **24** | **Equipment Type**<br>Code identifying equipment type<br>[43-22] Type of Equipment Furnished (DG 60)<br>SOURCE: Reference Section 6.0 of this IC for code values using applicable Air, Containers, Motor and TOFC (Dimensions are Outside Dimensions), Other Methods, Rail, and Water tables.<br>Sample Values: QQ,QU,SS,TT | **O** | **ID 4/4** |
| **X** | **N723** | **140** | **Standard Carrier Alpha Code**<br>Standard Carrier Alpha Code | **O** | **ID 2/4** |
| **X** | **N724** | **301** | **Car Type Code**<br>Code specifying type of rail car or intermodal equipment type and its general characteristics | **O** | **ID 1/4** |

**Segment:** **EM** **Equipment Characteristics**
**Position:** 331
**Loop:** N7 Optional
**Level:** Heading
**Usage:** Optional
**Max Use:** 1
**Purpose:** To send additional information regarding a specific piece of equipment
**Syntax Notes:**
**1** If EM02 is present, then EM01 is required.
**2** If EM04 is present, then EM03 is required.
**Semantic Notes:**
**1** EM02 is the maximum load weight.
**2** EM04 is the maximum load volume.
**3** EM05 is the country of manufacture.
**4** EM07 is the last inspection date for convention of safe container.
**Comments:**
**Notes:** [44] EM SEGMENT - Date Primary Equipment Furnished (DG 60)
SEGMENT CONDITION: Use if equipment was furnished (for the current N7 loop).

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **X** | **EM01** | **188** | **Weight Unit Code**<br>Code specifying the weight unit<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 1/1** |
| **X** | **EM02** | **81** | **Weight**<br>Numeric value of weight | **O** | **R 1/10** |
| **X** | **EM03** | **184** | **Volume Unit Qualifier**<br>Code identifying the volume unit<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 1/1** |
| **X** | **EM04** | **183** | **Volume**<br>Value of volumetric measure | **O** | **R 1/8** |
| **X** | **EM05** | **26** | **Country Code**<br>Code identifying the country | **O** | **ID 2/3** |
| **X** | **EM06** | **1429** | **Construction Type**<br>Contains the primary construction material<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/2** |
| **>>** | **EM07** | **373** | **Date**<br>Date expressed as CCYYMMDD<br>[44-07] Date (DG 60)<br>Enter date that equipment was furnished for the current N7 loop. | **O** | **DT 8/8** |

**Segment:** **NA** **Cross-Reference Equipment**
**Position:** 335
**Loop:** N7 Optional
**Level:** Heading
**Usage:** Optional
**Max Use:** 30
**Purpose:** To cross-reference additional equipment to a primary piece of equipment
**Syntax Notes:**
**1** If NA01 is present, then NA02 is required.
**Semantic Notes:**
**1** NA07 is the owner's Standard Carrier Alpha Code (SCAC) code.
**2** NA11 indicates the equipment damage status. A "Y" indicates equipment is damaged; an "N" indicates equipment is not damaged.
**Comments:**
**1** NA03 contains the equipment initial of an associated shipment and is required by rail. If unknown, use NONZ for van or NONU for container.
**2** NA04 contains the equipment number of an associated shipment.
**3** NA09 is the Standard Carrier Alpha Code (SCAC) code of the operator of the equipment.
**Notes:** [45] NA SEGMENT - Secondary Equipment Furnished (DG 60)
SEGMENT CONDITION: Required if use of secondary equipment applies.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **X** | **NA01** | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/3** |
| **X** | **NA02** | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | **X** | **AN 1/30** |
| **M** | **NA03** | **206** | **Equipment Initial**<br>Prefix or alphabetic part of an equipment unit's identifying number<br>[45-03] Secondary Equipment Initials (DG 60)<br>For rail Trailer on Flatcar/Container on Flatcar (TOFC/COFC) shipments, this data element carries the equipment initials of the flatcar used to convey the trailer/container (primary equipment ordered). When the shipper orders a trailer/container, the carrier supplies a flatcar to convey the trailer/container (primary equipment). The trailer is considered secondary equipment. The shipper incurs no cost for the use of secondary equipment.<br>SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association | **M** | **AN 1/4** |
| **M** | **NA04** | **207** | **Equipment Number**<br>Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)<br>[45-04] Secondary Equipment Numbers (DG 60)<br>For rail Trailer on Flatcar/Container on Flatcar (TOFC/COFC) shipments, this data element carries the equipment serial number of the flatcar used to convey the trailer/container (primary equipment ordered). When the shipper orders a trailer/container, the carrier supplies a flatcar to convey the trailer/container (primary equipment). The trailer is considered secondary equipment. The shipper incurs no cost for the use of secondary equipment. If a number is not available, send value 'xxxx' per shipper's instructions. | **M** | **AN 1/10** |
| | **NA05** | **231** | **Cross Reference Type Code**<br>Code defining relationship of equipment to equipment cross-referenced<br>[45-05] Cross Reference Type Code (DG 60)<br>ELEMENT CONDITION: Use to further identify secondary equipment when shipment is by rail.<br>F Conveying Flat Car<br>[45-05] Conveying Flat Car | **O** | **ID 1/1** |

| | | | | | |
|---|---|---|---|---|---|
| **X** | **NA06** | **219** | **Position**<br>Relative position of shipment in car, trailer, or container (mutually defined) | **O** | **AN 1/3** |
| **X** | **NA07** | **140** | **Standard Carrier Alpha Code**<br>Standard Carrier Alpha Code | **O** | **ID 2/4** |
| **X** | **NA08** | **567** | **Equipment Length**<br>Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11) | **O** | **N0 4/5** |
| **X** | **NA09** | **140** | **Standard Carrier Alpha Code**<br>Standard Carrier Alpha Code | **O** | **ID 2/4** |
| **X** | **NA10** | **845** | **Chassis Type**<br>Code identifying type of chassis<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |
| **X** | **NA11** | **1073** | **Yes/No Condition or Response Code**<br>Code indicating a Yes or No condition or response<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/1** |

**Segment:** **M7** **Seal Numbers**
**Position:** 340
**Loop:** N7 Optional
**Level:** Heading
**Usage:** Optional
**Max Use:** 5
**Purpose:** To record seal numbers used and the organization that applied the seals
**Syntax Notes:**
**Semantic Notes:**
**Comments:** **1** M705 indicates the name of the organization which applied the seal(s).
**Notes:** [46] M7 SEGMENT - Seals (DG 60)
SEGMENT CONDITION: Required if seals are applied to the primary equipment.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **M701** | **225** | **Seal Number**<br>Unique number on seal used to close a shipment<br>[46-01] Seal Number (DG 60)<br>Additional seal numbers should be carried in M702, M703, and M704. | **M** | **AN 2/15** |
| | **M702** | **225** | **Seal Number**<br>Unique number on seal used to close a shipment<br>[46-02] Additional Seal Number (DG 60) | **O** | **AN 2/15** |
| | **M703** | **225** | **Seal Number**<br>Unique number on seal used to close a shipment<br>[46-03] Additional Seal Number (DG 60) | **O** | **AN 2/15** |
| | **M704** | **225** | **Seal Number**<br>Unique number on seal used to close a shipment<br>[46-04] Additional Seal Number (DG 60) | **O** | **AN 2/15** |
| >> | **M705** | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>[46-05] Seal Numbers Applied By Qualifier (DG 60)<br>CA Carrier<br>[46-05] Carrier<br>SH Shipper<br>[46-05] Shipper | **O** | **ID 2/3** |

**Segment:** **N5** **Equipment Ordered**
**Position:** 350
**Loop:** N7 Optional
**Level:** Heading
**Usage:** Optional
**Max Use:** 1
**Purpose:** To specify carrier equipment
**Syntax Notes:** **1** If either N507 or N508 is present, then the other is required.
**Semantic Notes:**
**Comments:** **1** N506 is expressed in inches.
**Notes:** [47] N5 SEGMENT - Primary Equipment Ordered (DG 60)
SEGMENT CONDITION: Required if primary equipment was ordered.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| | **N501** | **567** | **Equipment Length**<br>Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)<br>[47-01] Length Capacity Primary Equipment Ordered (DG 60)<br>Format is FFFII where 8000 is 80 ft. | **O** | **N0 4/5** |
| | **N502** | **233** | **Weight Capacity**<br>Capacity of car ordered (stated in 1000 pound units or 1000 kilogram units)<br>[47-02] Weight Capacity Primary Equipment Ordered (DG 60) | **O** | **N0 2/3** |
| | **N503** | **203** | **Cubic Capacity**<br>Capacity of car ordered (cubic feet unless otherwise specified)<br>[47-03] Cubic Capacity Primary Equipment Ordered (DG 60) | **O** | **N0 2/4** |
| >> | **N504** | **301** | **Car Type Code**<br>Code specifying type of rail car or intermodal equipment type and its general characteristics<br>[47-04] Type of Equipment Ordered (DG 60)<br>SOURCE: Reference Section 6.0 of this IC for code values using applicable Air, Containers, Motor and TOFC (Dimensions are Outside Dimensions), Other Methods, Rail, and Water tables.<br>Sample Values: QQ,QU,SS,TT | **O** | **ID 1/4** |
| **X** | **N505** | **216** | **Metric Qualifier**<br>Code used to indicate that measurements are given in metric units<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/1** |
| **X** | **N506** | **65** | **Height**<br>Vertical dimension of an object measured when the object is in the upright position | **O** | **R 1/8** |
| **X** | **N507** | **643** | **Lading Percentage**<br>Commodity percentage for rating | **X** | **N2 2/4** |
| **X** | **N508** | **644** | **Lading Percent Qualifier**<br>Code identifying type of lading percentage<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 1/1** |
| **X** | **N509** | **40** | **Equipment Description Code**<br>Code identifying type of equipment used for shipment<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |

**Segment:** **REF** **Reference Identification**
**Position:** 360
**Loop:** N7 Optional
**Level:** Heading
**Usage:** Optional
**Max Use:** 5
**Purpose:** To specify identifying information
**Syntax Notes:**
**1** At least one of REF02 or REF03 is required.
**2** If either C04003 or C04004 is present, then the other is required.
**3** If either C04005 or C04006 is present, then the other is required.
**Semantic Notes:**
**1** REF04 contains data relating to the value cited in REF02.
**Comments:**
**Notes:** [48] REF SEGMENT - Tractor Number (DG 60)
SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **REF01** | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification<br>[48-01] Tractor Number Qualifier (DG 60)<br>EQ Equipment Number<br>[48-01] Equipment Number | **M** | **ID 2/3** |
| **>>** | **REF02** | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier<br>[48-02] Tractor Number (DG 60)<br>The tractor number carried in this data element is the power unit for the trailer described in the N7 segment of the same equipment loop. This data element is required only for tracking shipments monitored by DTTS. | **X** | **AN 1/30** |
| **X** | **REF03** | **352** | **Description**<br>A free-form description to clarify the related data elements and their content | **X** | **AN 1/80** |
| **X** | **REF04** | **C040** | **Reference Identifier**<br>To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier | **O** | |
| **X** | **C04001** | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **M** | **ID 2/3** |
| **X** | **C04002** | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | **M** | **AN 1/30** |
| **X** | **C04003** | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 2/3** |
| **X** | **C04004** | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | **X** | **AN 1/30** |
| **X** | **C04005** | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 2/3** |
| **X** | **C04006** | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | **X** | **AN 1/30** |

**Segment:** **N1** **Name**
**Position:** 390
**Loop:** N1 Optional (Must Use)
**Level:** Heading
**Usage:** Optional (Must Use)
**Max Use:** 1
**Purpose:** To identify a party by type of organization, name, and code
**Syntax Notes:**
**1** At least one of N102 or N103 is required.
**2** If either N103 or N104 is present, then the other is required.
**Semantic Notes:**
**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.
**Notes:** [49] N1 SEGMENT - Transportation Company Tendered To (CA) (DG 70)
LOOP CONDITION: DG 70 is required if the Defense Transportation Tracking System (DTTS) is required.
[51] N1 SEGMENT - Destination (ST) (DG 71)
[56] N1 SEGMENT - Origin (SF) (DG 72)
[61] N1 SEGMENT - Consignee (CN) (DG 73)
[65] N1 SEGMENT - Shipper (SH) (DG 74)
[69] N1 SEGMENT - Diversion/Reconsignment To (TT) (DG 75)
LOOP CONDITION: Required if shipment requires diversion/reconsignment destination.
[71] N1 SEGMENT - Diversion/Reconsignment From (T4) (DG 76)
LOOP CONDITION: DG 76 required if shipment requires diversion/reconsignment destination.
[73] N1 SEGMENT - Bill Charges To (PO) (DG 77)
[77] N1 SEGMENT - Issuing Office (IU) (DG 78)
[82] N1 SEGMENT - FOB Point (KX) (DG 79)
LOOP CONDITION: Use if FOB point applies.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| **M** | **N101** | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>[49-01] Transportation Company Tendered To (CA) Qualifier (DG 70)<br>[51-01] Destination Name (ST) Qualifier (DG 71)<br>This qualifier identifies name and address information of the carrier's delivery location.<br>[56-01] Origin Name (SF) Qualifier (DG 72)<br>This qualifier identifies the name and address information of the carrier's pickup location.<br>[61-01] Consignee (CN) Name Qualifier (DG 73)<br>This qualifier identifies the installation transportation office responsible for the shipment at the final destination.<br>[65-01] Shipper Name (SH) Qualifier (DG 74)<br>This qualifier identifies the installation transportation office responsible for the shipment at origin.<br>[69-01] Diversion/Reconsignment (TT) To Qualifier (DG 75)<br>Location that shipment is diverted/reconsigned to.<br>[71-01] Diversion/Reconsignment (T4) From Qualifier (DG 76)<br>[73-01] Bill Charges To (PO) Qualifier (DG 77)<br>[77-01] Issuing Office (IU) Name Qualifier (DG 78)<br>[82-01] FOB Point (KX) Qualifier (DG 79)<br>CA Carrier<br>[49-01] Carrier | **M ID 2/3** |

| | | | | | |
|---|---|---|---|---|---|
| | | | CN | Consignee | |
| | | | | [61-01] Consignee | |
| | | | IU | Issuer | |
| | | | | [77-01] Issuer | |
| | | | KX | Free on Board Point | |
| | | | | [82-01] Free on Board Point | |
| | | | PO | Party to Receive Invoice for Goods or Services | |
| | | | | [73-01] Party to Receive Invoice for Goods or Services | |
| | | | SF | Ship From | |
| | | | | [56-01] Ship From | |
| | | | SH | Shipper | |
| | | | | [65-01] Shipper | |
| | | | ST | Ship To | |
| | | | | [51-01] Ship To | |
| | | | T4 | Transfer Point | |
| | | | | A geographic location where a shipment is transferred or diverted to a new destination | |
| | | | | [71-01] Transfer Point | |
| | | | TT | Transfer To | |
| | | | | [69-01] Transfer To | |
| **>>** | **N102** | **93** | **Name** | | **X AN 1/60** |
| | | | Free-form name | | |
| | | | [49-02] Transportation Company Tendered To Name (CA) (DG 70)<br>[51-02] Destination Name (ST) (DG 71)<br>[56-02] Origin Name (SF) (DG 72)<br>ELEMENT CONDITION: If issuing GBLOC is unavailable (N406='IOOI') or origin DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the origin is required.<br>[61-02] Consignee Name (CN) (DG 73)<br>ELEMENT CONDITION: If consignee GBLOC is unavailable (N406='IOOI') or consignee DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the consignee is required.<br>[65-02] Shipper Name (SH) (DG 74)<br>ELEMENT CONDITION: If shipper DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the shipper is required.<br>[69-02] Diversion/Reconsignment (TT) To City (DG 75)<br>Carry the city name that pertains to the SPLC.<br>[71-02] Diversion/Reconsignment (T4) From (DG 76)<br>Location that shipment was diverted/reconsigned from. Carry the city name that pertains to the SPLC.<br>[73-02] Bill Charges To (PO) (DG 77)<br>[77-02] Issuing Office (IU) Name (DG 78)<br>[82-02] FOB Point (KX) (DG 79)<br>Carry actual FOB point name in this data element. | | |

| | | | | | |
|---|---|---|---|---|---|
| >> | **N103** | **66** | **Identification Code Qualifier** | **X** | **ID 1/2** |

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

[51-03] Destination DoDAAC/CAGE/MAPAC Qualifier (DG 71)
Do not use CAGE code for ocean shipments.
[56-03] Origin DoDAAC/CAGE/MAPAC Qualifier (DG 72)
Do not use CAGE code for ocean shipments.
[61-03] Consignee DoDAAC/CAGE/MAPAC Qualifier (DG 73)
Do not use CAGE code for ocean shipments.
[65-03] Shipper DoDAAC/CAGE/MAPAC Qualifier (SH) (DG 74)
Do not use CAGE code for ocean shipments.
[73-03] Bill Charges To (PO) DoDAAC/CAGE/MAPAC Qualifier (DG 77)
Do not use CAGE code for ocean shipments.
ELEMENT CONDITION: Required if N104 is used.

| | |
|---|---|
| 10 | Department of Defense Activity Address Code (DODAAC)<br>[51-03] Department of Defense Activity Address Code (DODAAC)<br>[56-03] Department of Defense Activity Address Code (DODAAC)<br>[61-03] Department of Defense Activity Address Code (DODAAC)<br>[65-03] Department of Defense Activity Address Code (DODAAC)<br>[73-03] Department of Defense Activity Address Code (DODAAC) |
| 33 | Commercial and Government Entity (CAGE)<br>[51-03] Commercial and Government Entity (CAGE)<br>[56-03] Commercial and Government Entity (CAGE)<br>[61-03] Commercial and Government Entity (CAGE)<br>[65-03] Commercial and Government Entity (CAGE)<br>[73-03] Commercial and Government Entity (CAGE) |
| A2 | Military Assistance Program Address Code (MAPAC)<br>Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity<br>[51-03] Military Assistance Program Address Code (MAPAC)<br>[56-03] Military Assistance Program Address Code (MAPAC)<br>[61-03] Military Assistance Program Address Code (MAPAC)<br>[65-03] Military Assistance Program Address Code (MAPAC)<br>[73-03] Military Assistance Program Address Code (MAPAC) |

| | | | | | |
|---|---|---|---|---|---|
| >> | **N104** | **67** | **Identification Code**<br>Code identifying a party or other code<br>[51-04] Destination DoDAAC/CAGE/MAPAC (DG 71)<br>If DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the destination is required.<br>[56-04] Origin DoDAAC/CAGE/MAPAC (DG 72)<br>If origin DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the origin is required in N102.<br>[61-04] Consignee DoDAAC/CAGE/MAPAC (DG 73)<br>If DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the consignee is required in N102.<br>[65-04] Shipper DoDAAC/CAGE/MAPAC (SH) (DG 74)<br>If shipper DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the shipper is required.<br>[73-04] Bill Charges To (PO) DoDAAC/CAGE/MAPAC (DG 77) | **X** | **AN 2/80** |
| **X** | **N105** | **706** | **Entity Relationship Code**<br>Code describing entity relationship<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |
| **X** | **N106** | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/3** |

**Segment:** **N2** **Additional Name Information**
**Position:** 400
**Loop:** N1 Optional (Must Use)
**Level:** Heading
**Usage:** Optional
**Max Use:** 2
**Purpose:** To specify additional names or those longer than 35 characters in length
**Syntax Notes:**
**Semantic Notes:**
**Comments:**
**Notes:** [52] N2 SEGMENT - Destination (ST) (DG 71)
SEGMENT CONDITION: Use if additional destination name applies.
[57] N2 SEGMENT - Origin (SF) (DG 72)
SEGMENT CONDITION: Use if origin additional name applies.
[62] N2 SEGMENT - Consignee (CN) (DG 73)
SEGMENT CONDITION: Use if consignee additional name applies.
[66] N2 SEGMENT - Shipper (SH) (DG 74)
SEGMENT CONDITION: Use if shipper additional name applies.
[74] N2 SEGMENT - Bill Charges To (PO) (DG 77)
SEGMENT CONDITION: Use if additional name is required for party to whom charges are billed. If available provide additional name to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC.
[78] N2 SEGMENT - Issuing Office (IU) (DG 78)
SEGMENT CONDITION: Use if additional name is required for issuing office.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **N201** | **93** | **Name**<br>Free-form name<br>[52-01] Additional Name (ST) (DG 71)<br>[57-01] Additional Name (SF) (DG 72)<br>[62-01] Additional Name (CN) (DG 73)<br>[66-01] Additional Name (SH) (DG 74)<br>[74-01] Additional Name (PO) (DG 77)<br>[78-01] Additional Name (IU) (DG 78) | **M** | **AN 1/60** |
| **X** | **N202** | **93** | **Name**<br>Free-form name | **O** | **AN 1/60** |

**Segment:** **N3** **Address Information**
**Position:** 410
**Loop:** N1 Optional (Must Use)
**Level:** Heading
**Usage:** Optional
**Max Use:** 2
**Purpose:** To specify the location of the named party
**Syntax Notes:**
**Semantic Notes:**
**Comments:**
**Notes:** [53] N3 SEGMENT - Destination (ST) (DG 71)
SEGMENT CONDITION: Use if destination street address applies.
[58] N3 SEGMENT - Origin (SF) (DG 72)
SEGMENT CONDITION: Use if origin street address applies.
[63] N3 SEGMENT - Consignee (CN) (DG 73)
SEGMENT CONDITION: Use if consignee street address applies.
[67] N3 SEGMENT - Shipper (SH) (DG 74)
SEGMENT CONDITION: Use if shipper street address applies.
[75] N3 SEGMENT - Bill Charges To (PO) (DG 77)
SEGMENT CONDITION: Use if street address is required for party to whom charges are billed. f available provide street address to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC.
[79] N3 SEGMENT - Issuing Office (IU) (DG 78)
SEGMENT CONDITION: Use if street address is required for issuing office.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **N301** | **166** | **Address Information**<br>Address information<br>[53-01] Street (ST) (DG 71)<br>[58-01] Street (SF) (DG 72)<br>[63-01] Street (CN) (DG 73)<br>[67-01] Street (SH) (DG 74)<br>[75-01] Street (PO) (DG 77)<br>[79-01] Street (IU) (DG 78) | **M** | **AN 1/55** |
| | **N302** | **166** | **Address Information**<br>Address information<br>[53-02] Additional Addressing Information (DG 71)<br>[58-02] Additional Addressing Information (DG 72)<br>[63-02] Additional Addressing Information (DG 73)<br>[67-02] Additional Addressing Information (DG 74)<br>[75-02] Additional Addressing Information (DG 77)<br>[79-02] Additional Addressing Information (DG 78) | **O** | **AN 1/55** |

**Segment:** **N4** **Geographic Location**
**Position:** 420
**Loop:** N1 Optional (Must Use)
**Level:** Heading
**Usage:** Optional
**Max Use:** 1
**Purpose:** To specify the geographic place of the named party
**Syntax Notes:** **1** If N406 is present, then N405 is required.
**Semantic Notes:**
**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.
**Notes:** [54] N4 SEGMENT - Destination (ST) (DG 71)
SEGMENT CONDITION: Use if destination city, state, and ZIP Code apply.
[59] N4 SEGMENT - Origin (SF) (DG 72)
SEGMENT CONDITION: Use if origin city, state, and ZIP Code apply.
[64] N4 SEGMENT - Consignee (CN) (DG 73)
Provides required data when shipment is by rail or when consignee is OCONUS. May be used also when consignee city, state, and ZIP Code apply.
SEGMENT CONDITION: Required for all shipments except ocean.
[68] N4 SEGMENT - Shipper (SH) (DG 74)
SEGMENT CONDITION: Use if shipper city, state, and ZIP Code apply.
[70] N4 SEGMENT - Diversion/Reconsignment To Country Code (TT) (DG 75)
SEGMENT CONDITION: If shipment is CONUS, SPLC is required. If OCONUS, country code is required.
[72] N4 SEGMENT - Diversion/Reconsignment (T4) (DG 76)
SEGMENT CONDITION: Required if diversion/reconsignment SPLC applies.
[76] N4 SEGMENT - Bill Charges To (PO) (DG 77)
SEGMENT CONDITION: Use if city is required for party to whom charges are billed. If available provide city, state, and ZIP to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC.
[80] N4 SEGMENT - Issuing Office (IU) (DG 78)
SEGMENT CONDITION: Use if Issuing Office (IU) city, state, and ZIP Code apply.
[83] N4 SEGMENT - FOB Point (DG 79)
SEGMENT CONDITION: Use if FOB point applies.

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **N401** | **19** | **City Name**<br>Free-form text for city name<br>[54-01] City (ST) (DG 71)<br>ELEMENT CONDITION: Field is MANDATORY if rail shipment.<br>[59-01] City (SF) (DG 72)<br>ELEMENT CONDITION: Field is MANDATORY if rail shipment.<br>[64-01] City (CN) (DG 73)<br>ELEMENT CONDITION: Field is MANDATORY if rail shipment.<br>[68-01] City (SH) (DG 74)<br>ELEMENT CONDITION: Field is required for rail shipments.<br>[76-01] City (PO) (DG 77)<br>[80-01] City (IU) (DG 78)<br>[83-01] FOB Point (City) Named In Contract (DG 79) | **O AN 2/30** |

| | | | | |
|---|---|---|---|---|
| **N402** | **156** | **State or Province Code** | **O** | **ID 2/2** |

Code (Standard State/Province) as defined by appropriate government agency

[54-02] State Code (ST) (DG 71)
ELEMENT CONDITION: Field is MANDATORY if rail shipment.
SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center
[59-02] State (SF) (DG 72)
ELEMENT CONDITION: Field is MANDATORY if rail shipment. Also use for province if shipment is Canadian.
SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center
[64-02] State (CN) (DG 73)
ELEMENT CONDITION: Field is MANDATORY if rail shipment. Also use for province if shipment is Canadian.
SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center
[68-02] State (SH) (DG 74)
ELEMENT CONDITION: Field is required for if rail shipments. Also use for province if shipment is Canadian.
SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center
[76-02] State (PO) (DG 77)
SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center
[80-02] State (IU) (DG 78)
SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center
[83-02] FOB Point (State) Named In Contract (DG 79)
SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center

| | | | | |
|---|---|---|---|---|
| **N403** | **116** | **Postal Code** | **O** | **ID 3/15** |

Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

[54-03] ZIP/Postal Code (ST) (DG 71)
There should be no special characters, punctuation, or blanks.
ELEMENT CONDITION: Field is MANDATORY if rail shipment.
SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents
[59-03] ZIP/Postal Code (SF) (DG 72)
Field is MANDATORY if rail shipment. There should be no special characters, punctuation, or blanks.
ELEMENT CONDITION: Field is MANDATORY if rail shipment.
SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents
[64-03] ZIP Code/Postal Code (CN) (DG 73)
There should be no special characters, punctuation, or blanks.
ELEMENT CONDITION: Field is MANDATORY if rail shipment.
SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents
[68-03] ZIP Code/Postal Code (SH) (DG 74)
There should be no special characters, punctuation, or blanks.
ELEMENT CONDITION: Field is required for rail shipments.
SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents

[76-03] ZIP Code/Postal Code (PO) (DG 77)
SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents
[80-03] ZIP Code/Postal Code (IU) (DG 78)
SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents

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|---|---|---|---|---|---|
| | **N404** | **26** | **Country Code**<br>Code identifying the country | **O** | **ID 2/3** |

[54-04] Country Code (DG 71)
ELEMENT CONDITION: If destination is OCONUS, country code is required.
SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.
[59-04] Country Code (SF) (DG 72)
ELEMENT CONDITION: If origin is OCONUS, country code is required.
SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.
[64-04] Country Code (CN) (DG 73)
ELEMENT CONDITION: If consignee is OCONUS, country code is required.
SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.
[68-04] Country Code (SH) (DG 74)
ELEMENT CONDITION: If shipper is OCONUS, country code is required.
SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.
[70-04] Country Code (DG 75)
ELEMENT CONDITION: If diversion/reconsignment is OCONUS, country code is required.
SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.

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|---|---|---|---|---|---|
| >> | **N405** | **309** | **Location Qualifier**<br>Code identifying type of location | **X** | **ID 1/2** |

[54-05] Destination SPLC (ST) Qualifier (DG 71)
ELEMENT CONDITION: SPLC is required for CONUS, but not OCONUS, shipments.
SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)

[59-05] Shipping Point SPLC (SF) Qualifier (DG 72)
ELEMENT CONDITION: Required if N406 is used.
SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)
[64-05] Consignee (CN) GBLOC Qualifier (DG 73)
ELEMENT CONDITION: Required for all shipments except by ocean.
SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)
[70-05] Diversion/Reconsignment (TT) To SPLC Qualifier (DG 75)
Required if N406 is used.
[72-05] Diversion/Reconsignment (T4) From SPLC Qualifier (DG 76)
SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)
[80-05] Issuing Office (IU) GBLOC Qualifier (DG 78)
SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)
[83-05] FOB SPLC Qualifier (DG 79)
ELEMENT CONDITION: Required if N406 is used.
SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)

| | |
|---|---|
| BL | Government Bill of Lading Office Code (GBLOC) |
| | Qualifies a code that identifies the location of a government office authorized to process transportation bills of lading |
| | [64-05] Government Bill of Lading Office Code (GBLOC)<br>[80-05] Government Bill of Lading Office Code (GBLOC) |
| SL | U.S. SPLC |
| | [54-05] U.S. SPLC<br>[59-05] U.S. SPLC<br>[70-05] U.S. SPLC<br>[72-05] U.S. SPLC<br>[83-05] U.S. SPLC |

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|---|---|---|---|---|---|
| >> | **N406** | **310** | **Location Identifier** | **O** | **AN 1/30** |

Code which identifies a specific location

[54-06] Destination SPLC (ST) (DG 71)
ELEMENT CONDITION: Nine-digit SPLCs are required for costing. SPLC is provided for CONUS shipments but not OCONUS.
[59-06] Shipping Point SPLC (SF) (DG 72)
Nine-digit SPLCs are required for costing. SPLC is provided for CONUS shipments but not OCONUS.
[64-06] Consignee (CN) GBLOC (DG 73)
ELEMENT CONDITION: If GBLOC is unavailable enter value 'IOOI'. Then, the clear text name of the consignee is required in N102.
[70-06] Diversion/Reconsignment (TT) To SPLC (DG 75)
[72-06] Diversion/Reconsignment (T4) From SPLC (DG 76)
[80-06] Issuing Office (IU) GBLOC (DG 78)
This element must contain a valid GBLOC. Do not use 'IOOI'.
[83-06] FOB SPLC (DG 79)

**Segment:** **PER** **Administrative Communications Contact**
**Position:** 440
**Loop:** N1 Optional (Must Use)
**Level:** Heading
**Usage:** Optional
**Max Use:** 3
**Purpose:** To identify a person or office to whom administrative communications should be directed
**Syntax Notes:**
**1** If either PER03 or PER04 is present, then the other is required.
**2** If either PER05 or PER06 is present, then the other is required.
**3** If either PER07 or PER08 is present, then the other is required.
**Semantic Notes:**
**Comments:**
**Notes:**
[50] PER SEGMENT - Transportation Company Dispatcher Contact (DG 70)
SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.
[55] PER SEGMENT - DTTS Destination (ST) (DG 71)
SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.
[60] PER SEGMENT - DTTS Origin (SF) (DG 72)
SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.
[81] PER SEGMENT - Name of Issuing Officer (IU) (DG 78)
SEGMENT CONDITION: Use if name of issuing officer is required.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes | |
|---|---|---|---|---|---|---|
| **M** | **PER01** | **366** | **Contact Function Code** | | **M** | **ID 2/2** |
| | | | Code identifying the major duty or responsibility of the person or group named | | | |
| | | | [50-01] Transportation Company Dispatcher Contact Qualifier (DG 70)<br>[55-01] Destination (ST) Contact Qualifier (DG 71)<br>[60-01] Origin (SF) Contact Qualifier (DG 72)<br>[81-01] Name of Issuing Officer Qualifier (DG 78) | | | |
| | | | EM | Emergency Contact | | |
| | | | | [50-01] Emergency Contact<br>[55-01] Emergency Contact<br>[60-01] Emergency Contact | | |
| | | | IO | Issuing Officer | | |
| | | | | [81-01] Issuing Officer | | |
| >> | **PER02** | **93** | **Name** | | **O** | **AN 1/60** |
| | | | Free-form name | | | |
| | | | [81-02] Name of Issuing Officer (DG 78) | | | |
| >> | **PER03** | **365** | **Communication Number Qualifier** | | **X** | **ID 2/2** |
| | | | Code identifying the type of communication number | | | |
| | | | [50-03] Transportation Company Dispatcher Telephone Number Qualifier (DG 70)<br>[55-03] Destination (ST) Phone Number Qualifier (DG 71)<br>[60-03] Origin (SF) Phone Number Qualifier (DG 72) | | | |
| | | | AU | Defense Switched Network | | |
| | | | | Department of Defense telecommunications system and successor of the Automatic Voice Network (AUTOVON) | | |
| | | | | [55-03] Defense Switched Network<br>[60-03] Defense Switched Network | | |
| | | | TE | Telephone | | |
| | | | | [50-03] Telephone<br>[55-03] Telephone<br>[60-03] Telephone | | |

| | | | | | |
|---|---|---|---|---|---|
| >> | **PER04** | **364** | **Communication Number**<br>Complete communications number including country or area code when applicable<br>[50-04] Transportation Company Dispatcher Telephone Number (DG 70)<br>[55-04] Destination (ST) Contact Phone Number (DG 71)<br>Both commercial and DSN phone numbers are required for ammunition shipments.<br>[60-04] Origin (SF) Contact Phone Number (DG 72)<br>Both commercial and DSN phone numbers are required for ammunition shipments. | **X** | **AN 1/80** |
| **X** | **PER05** | **365** | **Communication Number Qualifier**<br>Code identifying the type of communication number<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 2/2** |
| **X** | **PER06** | **364** | **Communication Number**<br>Complete communications number including country or area code when applicable | **X** | **AN 1/80** |
| **X** | **PER07** | **365** | **Communication Number Qualifier**<br>Code identifying the type of communication number<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 2/2** |
| **X** | **PER08** | **364** | **Communication Number**<br>Complete communications number including country or area code when applicable | **X** | **AN 1/80** |
| **X** | **PER09** | **443** | **Contact Inquiry Reference**<br>Additional reference number or description to clarify a contact number | **O** | **AN 1/20** |

**Segment:** **S5** **Stop-off Details**
**Position:** 450
**Loop:** S5 Optional
**Level:** Heading
**Usage:** Optional
**Max Use:** 1
**Purpose:** To specify stop-off detail reference numbers and stop reason
**Syntax Notes:**
**1** If either S503 or S504 is present, then the other is required.
**2** If either S505 or S506 is present, then the other is required.
**3** If either S507 or S508 is present, then the other is required.
**Semantic Notes:**
**1** S509 is the stop reason description.
**Comments:**
**Notes:** [84] S5 SEGMENT - Stop Data (DG 80) The S5 loop must occur for each unique action that occurs at an enroute location. If a pickup and delivery action are performed at the same enroute location, the S5 loop must occur once for the pickup, and once for the delivery. The origin address is not included in this loop. The split pickup and split delivery addresses are included in this loop. For example, if a shipment makes a stop location and unloads an item, then moves to an inside address and unloads and loads an item, three actions have affected the shipment at two locations. Consequently, the 858 must contain three S5 loops, one for each action.
LOOP CONDITION: DG 80 required if the shipment requires inside pickup, inside delivery, stops, and objective service supply deliveries.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **S501** | **165** | **Stop Sequence Number**<br>Identifying number for the specific stop and the sequence in which the stop is to be performed<br>[84-01] Stop Sequence Number (DG 80)<br>If the shipment stops enroute to the final destination, enter the sequence number of the stop location here. This sequence number needs to appear in the 100 Detail - Line Item Header Information Loop with each commodity that is picked up and/or delivered at that stop. | **M** | **N0 1/3** |
| **M** | **S502** | **163** | **Stop Reason Code**<br>Code specifying the reason for the stop<br>[84-02] Stop Reason Code (DG 80)<br>LD Load<br>[84-02] Load<br>UL Unload<br>[84-02] Unload | **M** | **ID 2/2** |
| **X** | **S503** | **81** | **Weight**<br>Numeric value of weight | **X** | **R 1/10** |
| **X** | **S504** | **188** | **Weight Unit Code**<br>Code specifying the weight unit<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 1/1** |
| **X** | **S505** | **382** | **Number of Units Shipped**<br>Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set | **X** | **R 1/10** |
| **X** | **S506** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 2/2** |
| **X** | **S507** | **183** | **Volume**<br>Value of volumetric measure | **X** | **R 1/8** |

| | | | | | |
|---|---|---|---|---|---|
| **X** | **S508** | **184** | **Volume Unit Qualifier** | **X** | **ID 1/1** |
| | | | Code identifying the volume unit<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| **X** | **S509** | **352** | **Description** | **O** | **AN 1/80** |
| | | | A free-form description to clarify the related data elements and their content | | |
| | **S510** | **154** | **Standard Point Location Code** | **O** | **ID 6/9** |
| | | | Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city<br>[84-10] Stop SPLC Code (DG 80)<br>Nine-digit SPLCs are required for costing of all shipments except by ocean. SPLC not used OCONUS.<br>SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc. | | |
| | **S511** | **190** | **Accomplish Code** | **O** | **ID 1/1** |
| | | | Code indicating the status of a specified stop<br>[84-11] Stop Accomplish Code (DG 80) | | |
| | | | A — Accomplished<br>[84-11] Accomplished | | |
| | | | P — Pending<br>[84-11] Pending | | |

**Segment:** **G62** **Date/Time**
**Position:** 460
**Loop:** S5 Optional
**Level:** Heading
**Usage:** Optional
**Max Use:** 6
**Purpose:** To specify pertinent dates and times
**Syntax Notes:**
**1** At least one of G6201 or G6203 is required.
**2** If either G6201 or G6202 is present, then the other is required.
**3** If either G6203 or G6204 is present, then the other is required.
**Semantic Notes:**
**Comments:**
**Notes:** [85] G62 SEGMENT - Stop Arrival/Departure Times (DG 80)
SEGMENT CONDITION: Required if stop/pickup applies.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| >> | **G6201** | **432** | **Date Qualifier**<br>Code specifying type of date<br>[85-01] Stop Date(s) Qualifier (DG 80)<br>69 Scheduled Pick-Up Date<br>[85-01] Scheduled Pick-Up Date<br>70 Scheduled Delivery Date<br>[85-01] Scheduled Delivery Date | **X** | **ID 2/2** |
| >> | **G6202** | **373** | **Date**<br>Date expressed as CCYYMMDD<br>[85-02] Stop Date(s) (DG 80)<br>Use to satisfy claims and discrepancies. Scheduled date on which stop will occur. | **X** | **DT 8/8** |
| | **G6203** | **176** | **Time Qualifier**<br>Code specifying the reported time<br>[85-03] Stop Arrival/Departure Times Qualifier (DG 80)<br>ELEMENT CONDITION: Required if G6204 is used.<br>8 Actual Pickup Time<br>[85-03] Actual Pickup Time<br>9 Actual Delivery Time<br>[85-03] Actual Delivery Time<br>A Actual Departure Time<br>[85-03] Actual Departure Time | **X** | **ID 1/2** |
| | **G6204** | **337** | **Time**<br>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)<br>[85-04] Stop Arrival/Departure Times (DG 80)<br>Scheduled time at which stop will occur. Use time format HHMM. | **X** | **TM 4/8** |
| **X** | **G6205** | **623** | **Time Code**<br>Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |

**Segment:** **N1** **Name**
**Position:** 490
**Loop:** N1 Optional (Must Use)
**Level:** Heading
**Usage:** Optional (Must Use)
**Max Use:** 1
**Purpose:** To identify a party by type of organization, name, and code
**Syntax Notes:** **1** At least one of N102 or N103 is required.
**2** If either N103 or N104 is present, then the other is required.
**Semantic Notes:**
**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.
**Notes:** [86] N1 SEGMENT - Stop Name of Party to Receive Shipment (DG 80)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| **M** | **N101** | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>[86-01] Stop Name Of Party To Receive Shipment Qualifier (DG 80)<br>LP — Loading Party<br>[86-01] Loading Party<br>UP — Unloading Party<br>[86-01] Unloading Party | **M ID 2/3** |
| | **N102** | **93** | **Name**<br>Free-form name<br>[86-02] Stop Name Of Party To Receive Shipment (DG 80)<br>ELEMENT CONDITION: If stop DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the stop is required. | **X AN 1/60** |
| >> | **N103** | **66** | **Identification Code Qualifier**<br>Code designating the system/method of code structure used for Identification Code (67)<br>[86-03] Stop DoDAAC/CAGE/MAPAC Qualifier (DG 80)<br>Do not use CAGE code for ocean shipments.<br>10 — Department of Defense Activity Address Code (DODAAC)<br>[86-03] Department of Defense Activity Address Code (DODAAC)<br>33 — Commercial and Government Entity (CAGE)<br>[86-03] Commercial and Government Entity (CAGE)<br>A2 — Military Assistance Program Address Code (MAPAC)<br>Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity<br>[86-03] Military Assistance Program Address Code (MAPAC) | **X ID 1/2** |
| >> | **N104** | **67** | **Identification Code**<br>Code identifying a party or other code<br>[86-04] Stop DoDAAC/CAGE/MAPAC (DG 80)<br>If stop DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the stop is required. | **X AN 2/80** |
| **X** | **N105** | **706** | **Entity Relationship Code**<br>Code describing entity relationship<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O ID 2/2** |

| | | | | | |
|---|---|---|---|---|---|
| **X** | **N106** | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/3** |

**Segment:** **N2** **Additional Name Information**
**Position:** 500
**Loop:** N1 Optional (Must Use)
**Level:** Heading
**Usage:** Optional
**Max Use:** 2
**Purpose:** To specify additional names or those longer than 35 characters in length
**Syntax Notes:**
**Semantic Notes:**
**Comments:**
**Notes:** [87] N2 SEGMENT - Stop Name of Party to Receive Shipment (DG 80)
SEGMENT CONDITION: Use if stop name of party to receive shipment applies.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **N201** | **93** | **Name** | **M** | **AN 1/60** |
| | | | Free-form name | | |
| | | | [87-01] Additional Name (DG 80) | | |
| **X** | **N202** | **93** | **Name** | **O** | **AN 1/60** |
| | | | Free-form name | | |

**Segment:** **N3** **Address Information**
**Position:** 510
**Loop:** N1 Optional (Must Use)
**Level:** Heading
**Usage:** Optional
**Max Use:** 2
**Purpose:** To specify the location of the named party
**Syntax Notes:**
**Semantic Notes:**
**Comments:**
**Notes:** [88] N3 SEGMENT - Stops (DG 80)
SEGMENT CONDITION: Use if stop street address of party to receive shipment applies.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **N301** | **166** | **Address Information**<br>Address information<br>[88-01] Street (DG 80) | **M** | **AN 1/55** |
| | **N302** | **166** | **Address Information**<br>Address information<br>[88-02] Additional Addressing Information (DG 80) | **O** | **AN 1/55** |

**Segment:** **N4** **Geographic Location**
**Position:** 520
**Loop:** N1 Optional (Must Use)
**Level:** Heading
**Usage:** Optional
**Max Use:** 1
**Purpose:** To specify the geographic place of the named party
**Syntax Notes:** **1** If N406 is present, then N405 is required.
**Semantic Notes:**
**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.
**Notes:** [89] N4 SEGMENT - Stops (DG 80)
SEGMENT CONDITION: Use if stop city/state of party to receive shipment applies.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| | **N401** | **19** | **City Name**<br>Free-form text for city name<br>[89-01] City (DG 80) | **O** | **AN 2/30** |
| | **N402** | **156** | **State or Province Code**<br>Code (Standard State/Province) as defined by appropriate government agency<br>[89-02] State (DG 80)<br>Also use for province if shipment is Canadian.<br>SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center | **O** | **ID 2/2** |
| | **N403** | **116** | **Postal Code**<br>Code defining international postal zone code excluding punctuation and blanks (zip code for United States)<br>[89-03] Stop ZIP Code/Postal Code (DG 80)<br>SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents | **O** | **ID 3/15** |
| | **N404** | **26** | **Country Code**<br>Code identifying the country<br>[89-04] Country Code (DG 80)<br>ELEMENT CONDITION: If stop is OCONUS, country code is required.<br>SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute. | **O** | **ID 2/3** |
| **X** | **N405** | **309** | **Location Qualifier**<br>Code identifying type of location<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 1/2** |
| **X** | **N406** | **310** | **Location Identifier**<br>Code which identifies a specific location | **O** | **AN 1/30** |

**Segment:** **PER** **Administrative Communications Contact**
**Position:** 540
**Loop:** N1 Optional (Must Use)
**Level:** Heading
**Usage:** Optional
**Max Use:** 3
**Purpose:** To identify a person or office to whom administrative communications should be directed
**Syntax Notes:**
**1** If either PER03 or PER04 is present, then the other is required.
**2** If either PER05 or PER06 is present, then the other is required.
**3** If either PER07 or PER08 is present, then the other is required.
**Semantic Notes:**
**Comments:**
**Notes:** [90] PER SEGMENT - Stop Communication Numbers (DG 80)
SEGMENT CONDITION: Use if stop communication numbers apply.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **PER01** | **366** | **Contact Function Code**<br>Code identifying the major duty or responsibility of the person or group named<br>[90-01] Stop Communication Numbers Qualifier (DG 80)<br>IC Information Contact<br>[90-01] Information Contact | **M** | **ID 2/2** |
| **X** | **PER02** | **93** | **Name**<br>Free-form name | **O** | **AN 1/60** |
| **>>** | **PER03** | **365** | **Communication Number Qualifier**<br>Code identifying the type of communication number<br>[90-03] Stop Communication Numbers Contact Qualifier (DG 80)<br>IT International Telephone<br>[90-03] International Telephone<br>TE Telephone<br>[90-03] Telephone | **X** | **ID 2/2** |
| **>>** | **PER04** | **364** | **Communication Number**<br>Complete communications number including country or area code when applicable<br>[90-04] Stop Communication Numbers Contact (DG 80) | **X** | **AN 1/80** |
| **X** | **PER05** | **365** | **Communication Number Qualifier**<br>Code identifying the type of communication number<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 2/2** |
| **X** | **PER06** | **364** | **Communication Number**<br>Complete communications number including country or area code when applicable | **X** | **AN 1/80** |
| **X** | **PER07** | **365** | **Communication Number Qualifier**<br>Code identifying the type of communication number<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 2/2** |
| **X** | **PER08** | **364** | **Communication Number**<br>Complete communications number including country or area code when applicable | **X** | **AN 1/80** |
| **X** | **PER09** | **443** | **Contact Inquiry Reference**<br>Additional reference number or description to clarify a contact number | **O** | **AN 1/20** |

**Segment:** **FA1** **Type of Financial Accounting Data**
**Position:** 550
**Loop:** FA1 Optional
**Level:** Heading
**Usage:** Optional
**Max Use:** 1
**Purpose:** To specify the organization controlling the content of the accounting citation, and the purpose associated with the accounting citation
**Syntax Notes:**
**Semantic Notes:**
**1** FA101 Identifies the organization controlling the assignment of financial accounting information.
**2** FA102 Identifies the purpose of the accounting allowance or charge information.
**Comments:**
**Notes:** [91] FA1 SEGMENT - Appropriation (DG 10) If there is only one Transportation Accounting Code or Line of Accounting at the header level, then it applies to all shipments in that container. If there is TAC/LOA at the header level, and some of the line items in the container have their own TACs/LOAs and some do not, use the TACs/LOAs at the line item level for those specific shipments and default to the header TAC/LOA for all others. If there is an invalid TAC/LOA on a single line item we will use the header TAC/LOA.
LOOP CONDITION: Carriers do not need to receive appropriation data. This segment begins the appropriation number loop. It calls for both FA1 and FA2 segments. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes | |
|---|---|---|---|---|---|---|
| **M** | **FA101** | **559** | **Agency Qualifier Code** | | **M** | **ID 2/2** |
| | | | Code identifying the agency assigning the code values | | | |
| | | | [91-01] Agency Qualifier Code (DG 10)<br>Code identifying the agency assigning the code values. | | | |
| | | | DF | Department of Defense (DoD) | | |
| | | | | [91-01] Department of Defense (DoD) | | |
| | | | DN | Department of the Navy | | |
| | | | | [91-01] Department of the Navy | | |
| | | | DX | United States Marine Corps | | |
| | | | | [91-01] United States Marine Corps | | |
| | | | DY | Department of Air Force | | |
| | | | | [91-01] Department of Air Force | | |
| | | | DZ | Department of Army | | |
| | | | | [91-01] Department of Army | | |
| | | | HS | Department of Health and Human Services | | |
| | | | | [91-01] Department of Health and Human Services<br>Use 'HS' to denote Department of Homeland Security/US Coast Guard (DHS/USCG) | | |
| **X** | **FA102** | **1300** | **Service, Promotion, Allowance, or Charge Code** | | **O** | **ID 4/4** |
| | | | Code identifying the service, promotion, allowance, or charge | | | |
| **X** | **FA103** | **248** | **Allowance or Charge Indicator** | | **O** | **ID 1/1** |
| | | | Code which indicates an allowance or charge for the service specified<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | | |

**Segment:** **FA2** **Accounting Data**
**Position:** 560
**Loop:** FA1 Optional
**Level:** Heading
**Usage:** Mandatory
**Max Use:** >1
**Purpose:** To specify the detailed accounting data
**Syntax Notes:**
**Semantic Notes:**
**Comments:**
**Notes:** [92] FA2 SEGMENT - Appropriation Breakdown Structure (DG 10)
This segment is MANDATORY if and only if the FA1 SEGMENT - Appropriation segment is used. Otherwise, this segment may not be used.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **FA201** | **1196** | **Breakdown Structure Detail Code** | | **M ID 2/2** |
| | | | Codes identifying details relating to a reporting breakdown structure tree | | |
| | | | [92-01] Breakdown Structure Detail Code (DG 10) | | |
| | | | 84 | Total Direct Costs | |
| | | | | [92-01] Total Direct Costs | |
| | | | A1 | Department Indicator | |
| | | | | [92-01] Department Indicator | |
| | | | A2 | Transfer from Department | |
| | | | | [92-01] Transfer from Department | |
| | | | A3 | Fiscal Year Indicator | |
| | | | | [92-01] Fiscal Year Indicator | |
| | | | A4 | Basic Symbol Number | |
| | | | | [92-01] Basic Symbol Number | |
| | | | A5 | Sub-class | |
| | | | | [92-01] Sub-class | |
| | | | A6 | Sub-Account Symbol | |
| | | | | [92-01] Sub-Account Symbol | |
| | | | AT | Air Force Transportation Account Code (ATAC) | |
| | | | | [92-01] Air Force Transportation Account Code (ATAC) | |
| | | | B1 | Budget Activity Number | |
| | | | | [92-01] Budget Activity Number | |
| | | | B2 | Budget Sub-activity Number | |
| | | | | [92-01] Budget Sub-activity Number | |
| | | | B3 | Budget Program Activity | |
| | | | | [92-01] Budget Program Activity | |
| | | | C1 | Program Element | |
| | | | | [92-01] Program Element | |
| | | | C2 | Project Task or Budget Subline | |
| | | | | [92-01] Project Task or Budget Subline | |
| | | | D1 | Defense Agency Allocation Recipient | |
| | | | | [92-01] Defense Agency Allocation Recipient | |
| | | | D4 | Component Sub-allocation Recipient | |
| | | | | [92-01] Component Sub-allocation Recipient | |
| | | | D6 | Sub-allotment Recipient | |
| | | | | [92-01] Sub-allotment Recipient | |

| | | | | | |
|---|---|---|---|---|---|
| | | | D7 | Work Center Recipient | |
| | | | | [92-01] Work Center Recipient | |
| | | | E1 | Major Reimbursement Source Code | |
| | | | | [92-01] Major Reimbursement Source Code | |
| | | | E2 | Detail Reimbursement Source Code | |
| | | | | [92-01] Detail Reimbursement Source Code | |
| | | | E3 | Customer Indicator | |
| | | | | [92-01] Customer Indicator | |
| | | | F1 | Object Class | |
| | | | | [92-01] Object Class | |
| | | | F3 | Government or Public Sector Identifier | |
| | | | | [92-01] Government or Public Sector Identifier | |
| | | | G2 | Special Interest Code or Special Program Cost Code | |
| | | | | [92-01] Special Interest Code or Special Program Cost Code | |
| | | | I1 | Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC) | |
| | | | | [92-01] Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)<br>Use 'I1' to denote Abbreviated Department of Defense (DoD) Budget and Accounting Classification | |
| | | | J1 | Document or Record Reference Number | |
| | | | | [92-01] Document or Record Reference Number | |
| | | | K6 | Accounting Classification Reference Code | |
| | | | | [92-01] Accounting Classification Reference Code | |
| | | | L1 | Accounting Installation Number | |
| | | | | [92-01] Accounting Installation Number | |
| | | | M1 | Local Installation Data | |
| | | | | [92-01] Local Installation Data | |
| | | | MD | Movement Designator Code (MDC) | |
| | | | | [92-01] Movement Designator Code (MDC) | |
| | | | N1 | Transaction Type | |
| | | | | [92-01] Transaction Type | |
| | | | P5 | Foreign Military Sales (FMS) Line Item Number | |
| | | | | [92-01] Foreign Military Sales (FMS) Line Item Number | |
| | | | TA | Transportation Account Code (TAC) | |
| | | | | [92-01] Transportation Account Code (TAC) | |
| | | | ZZ | Mutually Defined | |
| | | | | [92-01] Mutually Defined | |
| **M** | **FA202** | **1195** | **Financial Information Code** | **M** | **AN 1/80** |
| | | | Code representing financial accounting information | | |
| | | | [92-02] Financial Information Code (DG 10)<br>When FA201 contains code value '84', FA202 should be formatted as a dollar amount including a decimal character and two positions after the decimal, representing cents even if the value is a whole dollar amount. | | |

**Segment:** **L10** **Weight**
**Position:** 570
**Loop:** FA1 Optional
**Level:** Heading
**Usage:** Optional (Must Use)
**Max Use:** 1
**Purpose:** To transmit weight information
**Syntax Notes:**
**Semantic Notes:**
**Comments:**
**Notes:** [93] L10 SEGMENT - Appropriation Weight (DG 10)
This segment is MANDATORY if and only if the FA1 SEGMENT - Appropriation segment is used. Otherwise, this segment may not be used.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes | |
|---|---|---|---|---|---|---|
| **M** | **L1001** | **81** | **Weight** | | **M** | **R 1/10** |
| | | | Numeric value of weight | | | |
| | | | [93-01] Weight (DG 10)<br>Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. | | | |
| **M** | **L1002** | **187** | **Weight Qualifier** | | **M** | **ID 1/2** |
| | | | Code defining the type of weight | | | |
| | | | [93-02] Weight Qualifier (DG 10) | | | |
| | | | N | Actual Net Weight | | |
| | | | | [93-02] Actual Net Weight | | |
| >> | **L1003** | **188** | **Weight Unit Code** | | **O** | **ID 1/1** |
| | | | Code specifying the weight unit | | | |
| | | | [93-03] Weight Unit Code (DG 10) | | | |
| | | | E | Metric Ton | | |
| | | | | [93-03] Metric Ton | | |
| | | | G | Grams | | |
| | | | | [93-03] Grams | | |
| | | | K | Kilograms | | |
| | | | | [93-03] Kilograms | | |
| | | | L | Pounds | | |
| | | | | [93-03] Pounds | | |
| | | | M | Measurement Ton | | |
| | | | | [93-03] Measurement Ton | | |
| | | | O | Ounces | | |
| | | | | [93-03] Ounces | | |
| | | | S | Short Ton | | |
| | | | | [93-03] Short Ton | | |
| | | | T | Long Ton | | |
| | | | | [93-03] Long Ton | | |

**Segment:** **HL** **Hierarchical Level**
**Position:** 010
**Loop:** HL Mandatory
**Level:** Detail
**Usage:** Mandatory
**Max Use:** 1
**Purpose:** To identify dependencies among and the content of hierarchically related groups of data segments
**Syntax Notes:**
**Semantic Notes:**
**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.
The HL segment defines a top-down/left-right ordered structure.

**2** 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.

**3** HL02 identifies the hierarchical ID number of the HL segment to which the current HL segment is subordinate.

**4** 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.

**5** HL04 indicates whether or not there are subordinate (or child) HL segments related to the current HL segment.

**Notes:**
[94] HL SEGMENT - Line Item Detail (DG 100)
[148] HL SEGMENT - Gross Weight Description Loop (DG 200)
LOOP CONDITION: Use when gross weight description applies.
[150] HL SEGMENT - Detail - Tare Weight Description Loop (DG 200)
LOOP CONDITION: Use when tare weight description is required.
[152] HL SEGMENT - Net Weight Description Loop (DG 200)
The HL Net Weight Description Loop must occur for the shipment net weight. The HL Net Weight Description Loop must occur for the shipment net weight.
[154] HL SEGMENT - Net Explosive Weight Description Loop (English) (DG 200)
LOOP CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required and the shipment is an explosive danger.
[157] HL SEGMENT - Net Explosive Weight Description Loop (Metric) (DG 200)
LOOP CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required and the shipment is an explosive danger.
[160] HL SEGMENT - Dunnage Weight Description Loop (DG 200)
LOOP CONDITION: Required if dunnage weight description Loop is required.
[162] HL SEGMENT - Pallet Weight Description Loop (DG 200)
LOOP CONDITION: Required if pallet weight applies.
[164] HL SEGMENT - Skid Weight Description Loop (DG 200)
LOOP CONDITION: Required if skid weight is required.
[166] HL SEGMENT - Freight Weight Description Loop (DG 200)
[168] HL SEGMENT - Accessorial/Protective Services Loop (DG 300)
LOOP CONDITION: Required if the shipment calls for accessorial or protective service. One HL Accessorial/Protective Services Loop must occur for each service ordered.
[174] HL SEGMENT - Level of Service Loop (DG 300)
LOOP CONDITION: Use for air freight shipments.
[178] HL SEGMENT - Fuel Surcharge Loop (DG 301)
LOOP CONDITION: Required only when Mode is Air (BX02 code values 'AF'. 'AH', 'FA') or Motor, as long as fuel surcharge policy is in effect.
[181] HL SEGMENT - Commodity Classification Summary Loop (DG 400)
LOOP CONDITION: Required except for ocean and SPOT BID shipments.
[187] HL SEGMENT - ITO Quality Management Info Loop Qualifier (DG 500)
LOOP CONDITION: Use if the shipper needs to report quality control information, DG

500 must appear.
[191] HL SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee Loop (DG 600)
LOOP CONDITION: Required for all Defense Freight Transportation Services (DFTS) shipments.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| **M** | **HL01** | **628** | **Hierarchical ID Number**<br>A unique number assigned by the sender to identify a particular data segment in a hierarchical structure | **M AN 1/12** |

[94-01] Detail - Line Item Description Loop (DG 100)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop, regardless of usage of the HL loop. An HL Line Item Description Loop is generated for each DG 100. A shipment unit is identified by a single Transportation Control Number (TCN). Each commodity description cites the TCN it is grouped under. A shipment unit may cite multiple commodities. DG 100, commodity header information, describes one commodity (NMFC, UFC, DoD unique). The commodity detail information, DG 120, describes the type pack information in the L0 loop. There can be multiple type packs per line item.
[148-01] Detail - Gross Weight Description (DG 200)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe weights that apply to the entire shipment.
[150-01] Detail - Tare Weight Description Loop (DG 200)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe tare weights that apply to the entire shipment.
[152-01] Detail - Net Weight Description Loop (DG 200)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe net weights that apply to the entire shipment.
[154-01] Detail - Net Explosive Weight Description Loop (English) (DG 200)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe English weights that apply to the entire shipment.
[157-01] Detail - Net Explosive Weight Description Loop (Metric) (DG 200)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe Net Explosive Weights (Metric) that apply to the entire shipment.
[160-01] Detail - Dunnage Weight Description Loop (DG 200)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe Dunnage Weights that apply to the entire shipment.
[162-01] Detail - Pallet Weight Description Loop (DG 200)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe pallet weights that apply to the entire shipment.
[164-01] Detail - Skid Weight Description Loop (DG 200)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe skid weights that apply to the entire shipment.
[166-01] Detail - Freight Weight Description Loop (DG 200)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe freight weights that apply to the entire shipment.
[168-01] Detail - Accessorial/Protective Services Loop (DG 300)
Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the

| | | | | | |
|---|---|---|---|---|---|
| | | | Accessorial/Protective Services Loop. See Section 5.0 (DTEB Freight Bill of Lading Shipment Information Implementation Convention) for looping logic and examples.<br>[174-01] Hierarchical ID Number (DG 300)<br>[178-01] Detail - Fuel Surcharge Loop (DG 301)<br>Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe a fuel surcharge.<br>[181-01] Detail - Commodity Classification Summary Loop (DG 400)<br>Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins a loop used to describe each different type of commodity being moved under the bill. Description of each individual commodity type requires an HL Segment.<br>[187-01] Detail - ITO Quality Management Info Loop Qualifier (DG 500)<br>Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to carry ITO Quality Management Information.<br>[191-01] Detail - TWCF Recovery Fee Loop (DG 600)<br>Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe the TWCF recovery fee associated to DFTS shipments. | | |
| **X** | **HL02** | **734** | **Hierarchical Parent ID Number**<br>Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to | **O** | **AN 1/12** |
| **M** | **HL03** | **735** | **Hierarchical Level Code**<br>Code defining the characteristic of a level in a hierarchical structure<br>[94-03] Hierarchical Level Code (DG 100)<br>This code identifies the Line Item Description Loop.<br>[148-03] Hierarchical Level Code (DG 200)<br>This code identifies the Gross Weight Description Loop.<br>[150-03] Hierarchical Level Code (DG 200)<br>This code identifies the Tare Weight Description Loop.<br>[152-03] Hierarchical Level Code (DG 200)<br>This code identifies the Net Weight Description Loop.<br>[154-03] Hierarchical Level Code (DG 200)<br>This code identifies the Net Explosive Weight Description (English) Loop.<br>[157-03] Hierarchical Level Code (DG 200)<br>This code identifies the Net Explosive Weight Description (Metric) Loop.<br>[160-03] Hierarchical Level Code (DG 200)<br>This code identifies the Dunnage Weight Description Loop.<br>[162-03] Hierarchical Level Code (DG 200)<br>This code identifies the Pallet Weight Description Loop.<br>[164-03] Hierarchical Level Code (DG 200)<br>This code identifies the Skid Weight Description Loop.<br>[166-03] Hierarchical Level Code (DG 200)<br>This code identifies the Freight Weight Description Loop.<br>[168-03] Hierarchical Level Code (DG 300)<br>This code identifies the Accessorial/Protective Services Loop.<br>[174-03] Hierarchical Level Code (DG 300)<br>[178-03] Hierarchical Level Code (DG 301)<br>This code identifies the Fuel Surcharge Loop.<br>[181-03] Hierarchical Level Code (DG 400)<br>This code identifies the Commodity Classification Summary Loop.<br>[187-03] Hierarchical Level Code (DG 500)<br>This code identifies the ITO Quality Management Information Loop.<br>[191-03] Hierarchical Level Code (DG 600)<br>This code identifies the TWCF Recovery Fee Loop. | **M** | **ID 1/2** |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 2 | Billing Arrangement<br>Code identifying a specified billing arrangement<br>[178-03] Billing Arrangement | | |
| | | | AD | Administrative Information<br>[187-03] Administrative Information | | |
| | | | CT | Cost Type<br>A breakdown of the type of cost being incurred<br>[191-03] Cost Type<br>Use 'CT' to denote Transportation Working Capital Fund (TWCF) Recovery Fee | | |
| | | | D | Product Description<br>[181-03] Product Description | | |
| | | | I | Item<br>[94-03] Item | | |
| | | | PH | Product Characteristic<br>[148-03] Product Characteristic<br>[150-03] Product Characteristic<br>[152-03] Product Characteristic<br>[154-03] Product Characteristic<br>[157-03] Product Characteristic<br>[160-03] Product Characteristic<br>[162-03] Product Characteristic<br>[164-03] Product Characteristic<br>[166-03] Product Characteristic | | |
| | | | SS | Services<br>[168-03] Services<br>[174-03] Services | | |
| **X** | **HL04** | **736** | **Hierarchical Child Code**<br>Code indicating if there are hierarchical child data segments subordinate to the level being described<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | **O** | **ID 1/1** |

**Segment:** **N7** **Equipment Details**
**Position:** 020
**Loop:** HL Mandatory
**Level:** Detail
**Usage:** Optional
**Max Use:** 1
**Purpose:** To identify the equipment
**Syntax Notes:**
**1** If either N703 or N704 is present, then the other is required.
**2** If either N705 or N716 is present, then the other is required.
**3** If either N708 or N709 is present, then the other is required.
**Semantic Notes:**
**1** N712 is the owner of the equipment.
**2** N723 is the operator or carrier of the rights of the equipment.
**Comments:**
**1** N701 is mandatory for rail transactions.
**2** N720 and N721 are expressed in inches.
**Notes:**
[95] N7 SEGMENT - Primary Equipment Identifier (DG 100)
SEGMENT CONDITION: This segment is required in the line item detail if the shipment moves on multiple pieces of primary equipment. Use this segment to associate the line item with the primary equipment on which it is conveyed. Associate with equipment identified in N7 segment, DataGroup 60.
[169] N7 SEGMENT - Primary Equipment Identifier (DG 300)
SEGMENT CONDITION: Required if the shipment moves on multiple pieces of equipment and the accessorial/protective service applies to a particular piece of equipment. Do not use this segment if the accessorial/protective service applies to the whole shipment.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| | **N701** | **206** | **Equipment Initial**<br>Prefix or alphabetic part of an equipment unit's identifying number<br>[95-01] Primary Equipment Initials (DG 100)<br>This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes initials of the furnished primary equipment in/on which the commodity is conveyed.<br>SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association<br>[169-01] Equipment Initial (DG 300)<br>This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes initials of the furnished primary equipment in/on which the commodity is conveyed.<br>ELEMENT CONDITION: If the value in N702 is other than 'NONE', or the equipment initials are not available, use the SCAC.<br>SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association | **O** | **AN 1/4** |
| **M** | **N702** | **207** | **Equipment Number**<br>Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)<br>[95-02] Primary Equipment Numbers (DG 100)<br>This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes numbers on the furnished primary equipment in/on which the commodity is conveyed.<br>[169-02] Equipment Number (DG 300)<br>This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes numbers on the furnished primary equipment in/on which the commodity is conveyed. | **M** | **AN 1/10** |
| **X** | **N703** | **81** | **Weight**<br>Numeric value of weight | **X** | **R 1/10** |

| | | | | | |
|---|---|---|---|---|---|
| **X** | **N704** | **187** | **Weight Qualifier**<br>Code defining the type of weight<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 1/2** |
| **X** | **N705** | **167** | **Tare Weight**<br>Weight of the equipment | **X** | **N0 3/8** |
| **X** | **N706** | **232** | **Weight Allowance**<br>Allowance made for increased weight due to such factors as snow | **O** | **N0 2/6** |
| **X** | **N707** | **205** | **Dunnage**<br>Weight of material used to protect lading (even bracings, false floors, etc.) | **O** | **N0 1/6** |
| **X** | **N708** | **183** | **Volume**<br>Value of volumetric measure | **X** | **R 1/8** |
| **X** | **N709** | **184** | **Volume Unit Qualifier**<br>Code identifying the volume unit<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 1/1** |
| **X** | **N710** | **102** | **Ownership Code**<br>Code indicating the relationship of equipment to carrier or ownership of equipment<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/1** |
| **X** | **N711** | **40** | **Equipment Description Code**<br>Code identifying type of equipment used for shipment<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |
| **X** | **N712** | **140** | **Standard Carrier Alpha Code**<br>Standard Carrier Alpha Code | **O** | **ID 2/4** |
| **X** | **N713** | **319** | **Temperature Control**<br>Free-form abbreviation of temperature range or flash-point temperature | **O** | **AN 3/6** |
| **X** | **N714** | **219** | **Position**<br>Relative position of shipment in car, trailer, or container (mutually defined) | **O** | **AN 1/3** |
| **X** | **N715** | **567** | **Equipment Length**<br>Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11) | **O** | **N0 4/5** |
| **X** | **N716** | **571** | **Tare Qualifier Code**<br>Code identifying the type of tare<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 1/1** |
| **X** | **N717** | **188** | **Weight Unit Code**<br>Code specifying the weight unit<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/1** |
| **X** | **N718** | **761** | **Equipment Number Check Digit**<br>Number which designates the check digit applied to a piece of equipment | **O** | **N0 1/1** |
| **X** | **N719** | **56** | **Type of Service Code**<br>Code specifying extent of transportation service requested<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |
| **X** | **N720** | **65** | **Height**<br>Vertical dimension of an object measured when the object is in the upright position | **O** | **R 1/8** |
| **X** | **N721** | **189** | **Width**<br>Shorter measurement of the two horizontal dimensions measured with the object in the upright position | **O** | **R 1/8** |
| **X** | **N722** | **24** | **Equipment Type**<br>Code identifying equipment type | **O** | **ID 4/4** |

| | | | | | |
|---|---|---|---|---|---|
| **X** | **N723** | **140** | **Standard Carrier Alpha Code**<br>Standard Carrier Alpha Code | **O** | **ID 2/4** |
| **X** | **N724** | **301** | **Car Type Code**<br>Code specifying type of rail car or intermodal equipment type and its general characteristics | **O** | **ID 1/4** |

**Segment:** **NA** **Cross-Reference Equipment**
**Position:** 030
**Loop:** HL Mandatory
**Level:** Detail
**Usage:** Optional
**Max Use:** 1
**Purpose:** To cross-reference additional equipment to a primary piece of equipment
**Syntax Notes:**
**1** If NA01 is present, then NA02 is required.
**Semantic Notes:**
**1** NA07 is the owner's Standard Carrier Alpha Code (SCAC) code.
**2** NA11 indicates the equipment damage status. A "Y" indicates equipment is damaged; an "N" indicates equipment is not damaged.
**Comments:**
**1** NA03 contains the equipment initial of an associated shipment and is required by rail. If unknown, use NONZ for van or NONU for container.
**2** NA04 contains the equipment number of an associated shipment.
**3** NA09 is the Standard Carrier Alpha Code (SCAC) code of the operator of the equipment.
**Notes:**
[96] NA SEGMENT - Shipper Equipment Numbers (DG 100)
Shipper owned vehicles, like trucks, jeeps, and tanks, are identified using a different mapping of the NA segment in the HL Line Item Description Loop. See the following occurrence of the NA segment for mapping of vehicles information.
SEGMENT CONDITION: This segment required to indicate the mapping for shipper equipment numbers when applicable. Shipper equipment is that equipment/vehicle which is supplied/owned by the shipper. This includes DROMs, containers, and vans.
[97] NA SEGMENT - Military Vehicle Identification (DG 100)
SEGMENT CONDITION: This segment required to indicate the mapping for shipper owned vehicles when applicable. This includes cars, jeeps, tanks, and trucks. See the previous occurrence of the NA segment for mapping of shipper equipment information. The model number maps to NTE SEGMENT - Vehicle Model Number.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes | |
|---|---|---|---|---|---|---|
| | **NA01** | **128** | **Reference Identification Qualifier** | | **O** | **ID 2/3** |
| | | | Code qualifying the Reference Identification | | | |
| | | | [97-01] Military Vehicle Identification/Serial Number Qualifier (DG 100)<br>ELEMENT CONDITION: Required if NA02 is used. | | | |
| | | | SE | Serial Number | | |
| | | | | [97-01] Serial Number | | |
| | | | VT | Motor Vehicle ID Number | | |
| | | | | [97-01] Motor Vehicle ID Number | | |
| | **NA02** | **127** | **Reference Identification** | | **X** | **AN 1/30** |
| | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | |
| | | | [97-02] Military Vehicle Identification/Serial Number (DG 100)<br>Use VIN to describe the vehicles being moved. | | | |
| **M** | **NA03** | **206** | **Equipment Initial** | | **M** | **AN 1/4** |
| | | | Prefix or alphabetic part of an equipment unit's identifying number | | | |
| | | | [96-03] Shipper Equipment Initials (DG 100)<br>[97-03] Military Vehicle Initials (Filler) (DG 100) | | | |
| | | | DODV | New Code Added by IC | | |
| | | | | [96-03] DoD Van and Container | | |
| | | | DROM | New Code Added by IC | | |
| | | | | [96-03] Dromedary Equipment | | |
| | | | NONX | New Code Added by IC | | |
| | | | | [97-03] Vehicle | | |

| | | | | | |
|---|---|---|---|---|---|
| **M** | **NA04** | **207** | **Equipment Number**<br>Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)<br>[96-04] Shipper Equipment Numbers (DG 100)<br>Use for Initials and Serial Number of the Shipper Owned Containers/DROMs.<br>[97-04] Military Vehicle Bumper Number (DG 100)<br>Use 'NONE' if bumper number is unavailable. | **M** | **AN 1/10** |
| **X** | **NA05** | **231** | **Cross Reference Type Code**<br>Code defining relationship of equipment to equipment cross-referenced<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/1** |
| **X** | **NA06** | **219** | **Position**<br>Relative position of shipment in car, trailer, or container (mutually defined) | **O** | **AN 1/3** |
| **X** | **NA07** | **140** | **Standard Carrier Alpha Code**<br>Standard Carrier Alpha Code | **O** | **ID 2/4** |
| **X** | **NA08** | **567** | **Equipment Length**<br>Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11) | **O** | **N0 4/5** |
| **X** | **NA09** | **140** | **Standard Carrier Alpha Code**<br>Standard Carrier Alpha Code | **O** | **ID 2/4** |
| **X** | **NA10** | **845** | **Chassis Type**<br>Code identifying type of chassis<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |
| **X** | **NA11** | **1073** | **Yes/No Condition or Response Code**<br>Code indicating a Yes or No condition or response<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/1** |

**Segment:** **M7** **Seal Numbers**
**Position:** 040
**Loop:** HL Mandatory
**Level:** Detail
**Usage:** Optional
**Max Use:** 5
**Purpose:** To record seal numbers used and the organization that applied the seals
**Syntax Notes:**
**Semantic Notes:**
**Comments:** **1** M705 indicates the name of the organization which applied the seal(s).
**Notes:** [98] M7 SEGMENT - Seals (DG 100)
SEGMENT CONDITION: Required when seals are applied.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **M701** | **225** | **Seal Number**<br>Unique number on seal used to close a shipment<br>[98-01] Seals On Shipper Owned Equipment (DG 100)<br>Use to describe seal applied to equipment (Containers, DROMs) owned by the shipper. | **M** | **AN 2/15** |
| **X** | **M702** | **225** | **Seal Number**<br>Unique number on seal used to close a shipment | **O** | **AN 2/15** |
| **X** | **M703** | **225** | **Seal Number**<br>Unique number on seal used to close a shipment | **O** | **AN 2/15** |
| **X** | **M704** | **225** | **Seal Number**<br>Unique number on seal used to close a shipment | **O** | **AN 2/15** |
| **X** | **M705** | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/3** |

**Segment:** **L7** **Tariff Reference**
**Position:** 090
**Loop:** HL Mandatory
**Level:** Detail
**Usage:** Optional
**Max Use:** 10
**Purpose:** To reference details of the tariff used to arrive at applicable rates or charge
**Syntax Notes:**
**Semantic Notes:** **1** L710 is the effective date.
**2** In L715 and L716, "City" and "State" are used for rate combination city and state.
**Comments:**
**Notes:** [182] L7 SEGMENT - Tariff/Tender Rate Authority (DG 400)
SEGMENT CONDITION: Used for SPOT BID shipments as well as ocean shipments.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| X | L701 | 213 | **Lading Line Item Number**<br>Sequential line number for a lading item | O | N0 1/3 |
| >> | L702 | 168 | **Tariff Agency Code**<br>Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment<br>[182-02] Tariff/Tender Rate Authority (SCAC) (DG 400)<br>The Standard Carrier Alpha Code that prefixes the tender number.<br>SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC - STAC), NMF 101 Series available from National Motor Freight Traffic Association, Inc. | O | ID 1/4 |
| >> | L703 | 171 | **Tariff Number**<br>Standard tariff number for the tariff which governs the rates applied to the commodity item(s)<br>[182-03] Tariff/Tender Number (DG 400) | O | AN 1/7 |
| X | L704 | 172 | **Tariff Section**<br>Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff | O | AN 1/2 |
| X | L705 | 169 | **Tariff Item Number**<br>Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment | O | AN 1/16 |
| X | L706 | 170 | **Tariff Item Part**<br>Number assigned to subsection of a specific tariff item (arbitrary) | O | N0 1/2 |
| X | L707 | 59 | **Freight Class Code**<br>Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc. | O | AN 2/5 |
| | L708 | 173 | **Tariff Supplement Identifier**<br>Identifier for the tariff supplement which contains the rate used<br>[182-08] Tariff/Tender Supplement Identifier (DG 400)<br>Enter two-digit number, using leading zero as required. | O | AN 1/4 |
| X | L709 | 46 | **Ex Parte**<br>Level of rates as published in the tariff | O | AN 4/4 |
| | L710 | 373 | **Date**<br>Date expressed as CCYYMMDD<br>[182-10] Tariff/Tender Effective Date (DG 400)<br>Include for Tailored Transportation Contract (TTC) Traffic shipments. | O | DT 8/8 |
| X | L711 | 119 | **Rate Basis Number**<br>The (mileage) factor published for rating purposes in the appropriate tariff | O | AN 1/6 |

| | | | | | |
|---|---|---|---|---|---|
| **X** | **L712** | **227** | **Tariff Column**<br>A tariff commodity classification that is used, as a means of control, for grouping of commodities in tariff applications | **O** | **AN 1/2** |
| **X** | **L713** | **294** | **Tariff Distance**<br>Distance on which the rate for a shipment is based | **O** | **N0 1/5** |
| **X** | **L714** | **295** | **Distance Qualifier**<br>Code identifying the distance unit<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/1** |
| **X** | **L715** | **19** | **City Name**<br>Free-form text for city name | **O** | **AN 2/30** |
| **X** | **L716** | **156** | **State or Province Code**<br>Code (Standard State/Province) as defined by appropriate government agency | **O** | **ID 2/2** |

**Segment:** **SL1** **Tariff Reference**
**Position:** 095
**Loop:** HL Mandatory
**Level:** Detail
**Usage:** Optional
**Max Use:** 1
**Purpose:** To reference details of the tariff used to arrive at applicable rates or charges for customer-requested service
**Syntax Notes:** **1** At least one of SL103 or SL104 is required.
**Semantic Notes:** **1** SL101 is the service requested by the customer.
**2** SL105 is the effective date.
**3** SL106 is the service provided by the carrier.
**Comments:** **1** Scale and commodity codes are proprietary codes maintained by the carrier.
**Notes:** [175] SL1 SEGMENT - Level of Service (DG 300)
SEGMENT CONDITION: Required for air freight shipments.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **SL101** | **284** | **Service Level Code**<br>Code indicating the level of transportation service or the billing service offered by the transportation carrier<br>[175-01] Service Level Code (DG 300)<br>D1 Delivery Scheduled Next Day by Cartage Agent<br>[175-01] Delivery Scheduled Next Day by Cartage Agent<br>Use 'D1' to denote Overnight<br>D2 Delivery scheduled second day by cartage agent<br>[175-01] Delivery scheduled second day by cartage agent<br>Use 'D2' to denote Second Day<br>D3 Delivery scheduled third day by cartage agent<br>[175-01] Delivery scheduled third day by cartage agent<br>Use 'D3' to denote Deferred<br>SG Standard Ground<br>[175-01] Standard Ground<br>Use 'SG' to denote Priority | **M** | **ID 2/2** |
| **X** | **SL102** | **171** | **Tariff Number**<br>Standard tariff number for the tariff which governs the rates applied to the commodity item(s) | **O** | **AN 1/7** |
| **>>** | **SL103** | **22** | **Commodity Code**<br>Code describing a commodity or group of commodities<br>[175-03] Required Element (DG 300)<br>Enter value zero (0) to satisfy X12 syntax. | **X** | **AN 1/30** |
| **X** | **SL104** | **320** | **Scale**<br>A carrier-maintained reference used to further identify a schedule of rates within a tariff | **X** | **AN 1/10** |
| **X** | **SL105** | **373** | **Date**<br>Date expressed as CCYYMMDD | **O** | **DT 8/8** |
| **X** | **SL106** | **284** | **Service Level Code**<br>Code indicating the level of transportation service or the billing service offered by the transportation carrier<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |
| **X** | **SL107** | **146** | **Shipment Method of Payment**<br>Code identifying payment terms for transportation charges<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |

| | | | | | |
|---|---|---|---|---|---|
| **X** | **SL108** | **982** | **Data Source Code**<br>Code identifying source of data<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |
| **X** | **SL109** | **210** | **International/Domestic Code**<br>Code indicating international or domestic shipment<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/1** |

**Segment:** **N9** **Reference Identification**
**Position:** 100
**Loop:** HL Mandatory
**Level:** Detail
**Usage:** Optional (Must Use)
**Max Use:** 10
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier
**Syntax Notes:**
**1** At least one of N902 or N903 is required.
**2** If N906 is present, then N905 is required.
**3** If either C04003 or C04004 is present, then the other is required.
**4** If either C04005 or C04006 is present, then the other is required.
**Semantic Notes:**
**1** N906 reflects the time zone which the time reflects.
**2** N907 contains data relating to the value cited in N902.
**Comments:**
**Notes:**
[99] N9 SEGMENT - Requisition Number (DG 100)
SEGMENT CONDITION: Required if available.
[100] N9 SEGMENT - TCN (DG 100)
[101] N9 SEGMENT - National Stock No./Manufacturer's Part No. (DG 100)
SEGMENT CONDITION: Required if available.
[102] N9 SEGMENT - Project Code (DG 100)
SEGMENT CONDITION: Required if project code is used.
[103] N9 SEGMENT - Stop Sequence Number Cross-Reference (DG 100)
[104] N9 SEGMENT - External Tracking Number (XTN) (DG 100)
SEGMENT CONDITION: Use for USML shipments. U.S. Customs' Automated Export System uses this number.
[105] N9 SEGMENT - LIN Index Number (DG 100)
SEGMENT CONDITION: Use for Army Unit moves.
[106] N9 SEGMENT - Line Item Number (DG 100)
SEGMENT CONDITION: Use for Army Unit moves.
[107] N9 SEGMENT - Controlled Inventory Item Code (CIIC) (DG 100)
SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required and if DoD-controlled item has a CIIC assigned.
[108] N9 SEGMENT - DoD Identification Code (DoDIC) (DG 100)
SEGMENT CONDITION: Required for DTTS if the hazardous shipment contains ammunition.
[170] N9 SEGMENT - Service Performed (DG 300)
SEGMENT CONDITION: Required for accessorial/protective services.
[171] N9 SEGMENT - Stop Sequence Number (DG 300)
SEGMENT CONDITION: Required if stop-offs occur.
[188] N9 SEGMENT - Reason (Not Lowest Cost) (DG 500)
SEGMENT CONDITION: Required only if HL SEGMENT - ITO Quality Management Info Loop Qualifier is used.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| **M** | **N901** | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification<br>[99-01] Requisition Number Qualifier (DG 100)<br>[100-01] TCN Qualifier (DG 100)<br>[101-01] National Stock No./Manufacturer's Part No. Qualifier (DG 100)<br>This qualifier must appear if NSN is used. Use Manufacturer's Part Number if NSN is not available.<br>[102-01] Project Code Qualifier (DG 100)<br>[103-01] Stop Sequence Number Cross-Reference Qualifier (DG 100)<br>[104-01] Reference Identification Qualifier (DG 100)<br>[105-01] LIN Index Number Qualifier (DG 100)<br>[106-01] Line Item Number Qualifier (DG 100)<br>[107-01] Controlled Inventory Item Code (CIIC) Qualifier (DG 100)<br>[108-01] DoDIC Qualifier (DG 100) | **M ID 2/3** |

[170-01] Service Performed Identifier (DG 300)
[171-01] Stop Sequence Number Qualifier (DG 300)
[188-01] Reason (Not Lowest Cost) Qualifier (DG 500)
This qualifier must appear if not lowest cost is used.

| | |
|---|---|
| 1I | Department of Defense Identification Code (DoDIC) |
| | Qualifies a code that uniquely identifies a type of explosive or ammunition |
| | [108-01] Department of Defense Identification Code (DoDIC) |
| 1P | Accessorial Status Code |
| | Qualifies a single number that describes the status of an accessorial transportation service |
| | [170-01] Accessorial Status Code |
| 25 | Reason Not Lowest Cost Code |
| | Qualifies a code that identifies why a service/rate other than the least costly service/rate was used |
| | [188-01] Reason Not Lowest Cost Code |
| BCI | Basic Contract Line Item Number |
| | [105-01] Basic Contract Line Item Number |
| ED | Export Declaration |
| | [104-01] Export Declaration |
| LI | Line Item Identifier (Seller's) |
| | [106-01] Line Item Identifier (Seller's) |
| M6 | Military Ordnance Security Risk Number |
| | A number that identifies the security risk of transporting arms and ammunition |
| | [107-01] Military Ordnance Security Risk Number<br>Use 'M6' to denote Controlled Inventory Item Code (CIIC) |
| MF | Manufacturers Part Number |
| | [101-01] Manufacturers Part Number |
| NS | National Stock Number |
| | [101-01] National Stock Number |
| P4 | Project Code |
| | [102-01] Project Code |
| QN | Stop Sequence Number |
| | [103-01] Stop Sequence Number<br>[171-01] Stop Sequence Number |
| RQ | Purchase Requisition Number |
| | [99-01] Purchase Requisition Number |
| TG | Transportation Control Number (TCN) |
| | [100-01] Transportation Control Number (TCN) |

**>> N902 127 Reference Identification X AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
[99-02] Requisition Number (DG 100)
The requisition number which corresponds to the line item is carried in this data element.
[100-02] TCN - Transportation Control Number (DG 100)
Every line item (HL Line Item Description Loop) should identify the TCN with which it is associated.
[101-02] National Stock No./Manufacturer's Part No. (DG 100)
[102-02] Project Code (DG 100)
[103-02] Stop Sequence Number Cross-Reference (DG 100)
If stops apply to a shipment, a line item is identified with a stop by carrying the sequence number of the stop address in this data element. That sequence

| | | | | | |
|---|---|---|---|---|---|
| | | | number appears in the S5 segment in the header area of the transaction set.<br>[104-02] Reference Identification (DG 100)<br>Use shipper DoDAAC plus TCN.<br>[105-02] LIN Index Number (DG 100)<br>[106-02] Line Item Number (DG 100)<br>[107-02] Controlled Inventory Item Code (CIIC) (DG 100)<br>SOURCE: DoD 4100.39-M (FLIS Manual) Volume 10, Table 61<br>[108-02] DoDIC (DG 100)<br>Required for all ammunition and explosives. Also called Navy Ammunition Logistics Code (NALC).<br>[170-02] Service Performed Date Qualifier (DG 300)<br>Use the following value to denote the DoD definition as indicated: DP - Date Service was Performed<br>[171-02] Stop Sequence Number (DG 300)<br>If stops apply to a shipment, a service code is identified with a stop by carrying the sequence number of the stop address in this data element. That sequence number appears in the S5 segment in the header area of the transaction set.<br>[188-02] Reason (Not Lowest Cost) (DG 500)<br>Code that identifies the 'Reason Not Lowest Cost' service provided as defined by the "Freight Lading Bill Reason Code" table found in USTranscom Reference Data Management (TRDM), mirrored at http://www.transcom.mil/dteb/files/refdata/V_D_FRGHT_LDNG_BL4_CD.htm. | | |
| **X** | **N903** | **369** | **Free-form Description**<br>Free-form descriptive text | **X** | **AN 1/45** |
| | **N904** | **373** | **Date**<br>Date expressed as CCYYMMDD<br>[170-04] Service Performed Date (DG 300)<br>The date the service was performed. | **O** | **DT 8/8** |
| **X** | **N905** | **337** | **Time**<br>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) | **X** | **TM 4/8** |
| **X** | **N906** | **623** | **Time Code**<br>Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |
| | **N907** | **C040** | **Reference Identifier**<br>To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier<br>[100-07] Transportation Tracking Number (TTN) Composite Header (DG 100)<br>COMPOSITE CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable. | **O** | |
| **M** | **C04001** | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification<br>[100-07-01] Transportation Tracking Number (TTN) Qualifier (DG 100)<br>18 Plan Number<br>The unique identification number assigned for a defined contribution plan<br>[100-07-01] Plan Number<br>Use '18' to denote Transportation Tracking Number (TTN) | **M** | **ID 2/3** |

| | | | | | |
|---|---|---|---|---|---|
| **M** | **C04002** | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier<br>[100-07-02] Transportation Tracking Number (TTN). (DG 100) | **M** | **AN 1/30** |
| | **C04003** | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 2/3** |
| | **C04004** | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | **X** | **AN 1/30** |
| | **C04005** | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 2/3** |
| | **C04006** | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | **X** | **AN 1/30** |

**Segment:** **L5** **Description, Marks and Numbers**
**Position:** 130
**Loop:** HL Mandatory
**Level:** Detail
**Usage:** Optional (Must Use)
**Max Use:** 10
**Purpose:** To specify the line item in terms of description, quantity, packaging, and marks and numbers
**Syntax Notes:**
**1** If either L503 or L504 is present, then the other is required.
**2** If L507 is present, then L506 is required.
**3** If either L508 or L509 is present, then the other is required.
**Semantic Notes:**
**Comments:**
**1** L502 may be used to send quantity information as part of the product description.
**Notes:**
[109] L5 SEGMENT - Classification (DG 100)
[110] L5 SEGMENT - Privately Owned Vehicle (DG 100)
SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.
[183] L5 SEGMENT - Commodity Description (DG 400)
SEGMENT CONDITION: Required if and only if HL SEGMENT - Commodity Classification Summary Loop is used.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| X | **L501** | **213** | **Lading Line Item Number**<br>Sequential line number for a lading item | **O** | **N0 1/3** |
| | **L502** | **79** | **Lading Description**<br>Description of an item as required for rating and billing purposes<br>[109-02] Description Of Articles (DG 100)<br>Clear text description of the line item.<br>[110-02] POV Make (DG 100)<br>ELEMENT CONDITION: If this segment appears, at least one of L502 and L506 must be used in this segment.<br>[183-02] Commodity Description (DG 400) | **O** | **AN 1/50** |
| >> | **L503** | **22** | **Commodity Code**<br>Code describing a commodity or group of commodities<br>[109-03] Classification Item No. (Commodity Code) (DG 100)<br>When the sub-item number is available, provide it in the last two positions of this element.<br>DIC reference is applicable only when qualified with the value 'I' in the L504.<br>[183-03] Commodity Code (DG 400)<br>If the shipment goes FAK, enter the DoD unique FAK code instead of the NMFC/UFC. | **X** | **AN 1/30** |
| >> | **L504** | **23** | **Commodity Code Qualifier**<br>Code identifying the commodity coding system used for Commodity Code<br>[109-04] Classification Item No. (Commodity Code) Qualifier (DG 100)<br>[183-04] Commodity Code Qualifier (DG 400)<br>D Department of Defense Unique Codes<br>[109-04] Department of Defense Unique Codes<br>[183-04] Department of Defense Unique Codes<br>I Milstamp AITC or Water Commodity Code<br>[109-04] Milstamp AITC or Water Commodity Code<br>N National Motor Freight Classification (NMFC)<br>[109-04] National Motor Freight Classification (NMFC)<br>[183-04] National Motor Freight Classification (NMFC) | **X** | **ID 1/1** |

| | | | | | |
|---|---|---|---|---|---|
| | | | T | Standard Transportation Commodity Code (STCC) | |
| | | | | [109-04] Standard Transportation Commodity Code (STCC)<br>[183-04] Standard Transportation Commodity Code (STCC) | |
| | | | U | Uniform Freight Classification (UFC) | |
| | | | | [109-04] Uniform Freight Classification (UFC)<br>[183-04] Uniform Freight Classification (UFC) | |
| **X** | **L505** | **103** | **Packaging Code** | **O** | **AN 3/5** |
| | | | Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| | **L506** | **87** | **Marks and Numbers** | **X** | **AN 1/48** |
| | | | Marks and numbers used to identify a shipment or parts of a shipment | | |
| | | | [109-06] Number On Packages (DG 100)<br>Use to show descriptive marks and numbers on freight.<br>[110-06] Vehicle Color (DG 100)<br>ELEMENT CONDITION: If this segment appears, at least one of L502 and L506 must be used in this segment. | | |
| **X** | **L507** | **88** | **Marks and Numbers Qualifier** | **O** | **ID 1/2** |
| | | | Code specifying the application or source of Marks and Numbers (87)<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| **X** | **L508** | **23** | **Commodity Code Qualifier** | **X** | **ID 1/1** |
| | | | Code identifying the commodity coding system used for Commodity Code<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| **X** | **L509** | **22** | **Commodity Code** | **X** | **AN 1/30** |
| | | | Code describing a commodity or group of commodities | | |
| **X** | **L510** | **595** | **Compartment ID Code** | **O** | **ID 1/1** |
| | | | Code identifying the compartment in a compartmentalized tank car<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |

**Segment:** **LH6** **Hazardous Certification**
**Position:** 134
**Loop:** HL Mandatory
**Level:** Detail
**Usage:** Optional
**Max Use:** 5
**Purpose:** To specify the name of the person certifying that the shipment complies with the regulations and/or the actual certification
**Syntax Notes:** **1** If either LH602 or LH603 is present, then the other is required.
**Semantic Notes:**
**Comments:**
**Notes:** [111] LH6 SEGMENT - Certification Code (49 CFR Compliance) (DG 190)
SEGMENT CONDITION: Required for HAZMAT shipments.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| >> | **LH601** | **93** | **Name**<br>Free-form name<br>[111-01] HAZMAT - Certifying Person (49CFR Compliance) (DG 190)<br>Clear text. MANDATORY for all hazardous material shipments.<br>SOURCE: 49 CFR 172.204 | **O** | **AN 1/60** |
| >> | **LH602** | **272** | **Hazardous Certification Code**<br>Code indicating the form of the hazardous certification<br>[111-02] HAZMAT - Certification Code (49 CFR Compliance) (DG 190)<br>1 Abbreviated Hazardous Certification<br>[111-02] Abbreviated Hazardous Certification<br>2 Long Form of Hazardous Certification<br>[111-02] Long Form of Hazardous Certification | **X** | **ID 1/1** |
| >> | **LH603** | **273** | **Hazardous Certification Declaration**<br>Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations<br>[111-03] HAZMAT - Certification Declaration (49 CFR Compliance) (DG 190)<br>Certification verbiage in accordance with 49 CFR 172.204. MANDATORY for all hazardous materials shipments. Verbiage that certifies the entire shipment should appear once in the first occurrence of the HL Line Item Description Loop.<br>SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications | **X** | **AN 1/25** |
| | **LH604** | **273** | **Hazardous Certification Declaration**<br>Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations<br>[111-04] HAZMAT - Certification Declaration (49 CFR Compliance) (DG 190)<br>ELEMENT CONDITION: Use for any remainder of certification verbiage exceeding 25 characters in LH603.<br>SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications | **O** | **AN 1/25** |

**Segment:** **NTE** **Note/Special Instruction**
**Position:** 140
**Loop:** HL Mandatory
**Level:** Detail
**Usage:** Optional
**Max Use:** 100
**Purpose:** To transmit information in a free-form format, if necessary, for comment or special instruction
**Syntax Notes:**
**Semantic Notes:**
**Comments:** **1** The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.
**Notes:** [112] NTE SEGMENT - 3PL Offer Record Number (DG 190)
SEGMENT CONDITION: Use for 3PL coordinated shipments (DTCI or DFTS) only. Required for 3PL coordinated shipments. Matches the shipper's offer record numbers that appear in corresponding 219 Transportation Service Request and a 220 Transportation Service Response.
[113] NTE SEGMENT - Vehicle Model Number (DG 190)
SEGMENT CONDITION: Use to identify the model number for military vehicles as applicable. Required for ocean shipments.
[114] NTE SEGMENT - Unit Line Number (DG 190)
SEGMENT CONDITION: Use to identify unit line number as applicable.
[115] NTE SEGMENT - Transportation Tracking Account Number (TTAN) (DG 190)
SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Account Number is applicable.
[116] NTE SEGMENT - Other Information (DG 190)
SEGMENT CONDITION: For non-ocean shipments, use to indicate line item level special instructions.
Ocean shipments use for additional comments information or rating information as needed. Repeat once for each qualifier.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| >> | **NTE01** | **363** | **Note Reference Code**<br>Code identifying the functional area or purpose for which the note applies<br>[112-01] 3PL Offer Record Number Qualifier (DG 190)<br>[113-01] Vehicle Model Number Qualifier (DG 1001)<br>[114-01] Unit Line Number Qualifier (DG 2001)<br>[115-01] Transportation Tracking Account Number (TTAN) Qualifier (DG 190)<br>[116-01] Other Information Qualifier Code (DG 190)<br>Shipments by other than ocean use code value 'OTH'. Ocean shipments use code values 'CIG', 'LIQ', 'ADD', and 'OCR'. | **O ID 3/3** |
| | | | ADD — Additional Information<br>[116-01] Additional Information | |
| | | | CIG — Cigarette Information<br>[116-01] Cigarette Information | |
| | | | EED — Equipment Description<br>[113-01] Equipment Description | |
| | | | LIQ — Liquor Information<br>[116-01] Liquor Information | |
| | | | OCR — Outside the Continental U.S. (OCONUS) Rating Information<br>[116-01] Outside the Continental U.S. (OCONUS) Rating Information | |

| | | |
|---|---|---|
| OTH | Other Instructions |
| | [116-01] Other Instructions |
| OTN | Another Type of Number Description |
| | [114-01] Another Type of Number Description |
| TCF | Tariff Commodity Footnotes |
| | [115-01] Tariff Commodity Footnotes<br>Use 'TCF' to denote Transportation Tracking Account Number (TTAN) |
| UPI | Updated Information |
| | [112-01] Updated Information<br>Use 'UPI' to denote 3PL Offer Record Number Qualifier |

| | | | | | |
|---|---|---|---|---|---|
| **M** | **NTE02** | **352** | **Description** | **M** | **AN 1/80** |

A free-form description to clarify the related data elements and their content

[112-02] 3PL Offer Record Number (DG 190)
[113-02] Vehicle Model Number (DG 1001)
[114-02] Unit Line Number (DG 2001)
[115-02] Transportation Tracking Account Number (TTAN) (DG 190)
[116-02] Other Information (DG 190)
Shipments by other than ocean enter clear text information related to the line item such as velocity management instructions. Ocean shipments enter values depending on code value in NTE01 as follows: With code value 'OCR' use tariff for CONUS to Hawaii/Guam Rating Information. With code value 'CIG' or 'LIQ' use cigarette or liquor information. Repeat segment until all cigarette or liquor data has been entered.

**Segment:** **L0** **Line Item - Quantity and Weight**
**Position:** 145
**Loop:** L0 Optional (Must Use)
**Level:** Detail
**Usage:** Optional (Must Use)
**Max Use:** 1
**Purpose:** To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data
**Syntax Notes:**
**1** If either L002 or L003 is present, then the other is required.
**2** If either L004 or L005 is present, then the other is required.
**3** If either L006 or L007 is present, then the other is required.
**4** If either L008 or L009 is present, then the other is required.
**5** If L011 is present, then L004 is required.
**6** If either L013 or L015 is present, then the other is required.
**Semantic Notes:**
**1** L008 is the number of handling units of the line item tendered to the carrier.
**2** L013 can only be used if the code in L009 is PLT, SKD, or SLP.
**3** L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.
**Comments:**
**1** L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.
**Notes:**
[117] L0 SEGMENT - Billed/Rated Quantity (DG 120)
CHANGE NOTE: Segment condition updated per DM 1043. Repeat the L0 loop if there is more than one set of oversized dimensions for the same item.
[124] L0 SEGMENT - Ammunition Lot Number/Number of Pieces (DG 120)
LOOP CONDITION: Required for ocean shipments if shipment contains ammunition. Report pieces, weight, cube and ammunition lot number. Report also in MEA segment (Round Count).
[125] L0 SEGMENT - Dimensional Weight (DG 120)
LOOP CONDITION: Use when dimensional weight applies. Dimensional Weight is the chargeable weight computed on the basis of volume rather than actual weight. GFM will calculate the Dimensional Weight based on dimensions passed in the MEA segments. Shipper systems do not need to provide the Dimensional Weight.
[149] L0 SEGMENT - Shipment Gross Weight (DG 200)
LOOP CONDITION: This segment is required if and only if HL SEGMENT - Gross Weight Description Loop is used.
[151] L0 SEGMENT - Shipment Tare Weight (DG 200)
LOOP CONDITION: Required if and only if HL SEGMENT - Detail - Tare Weight Description Loop is used.
[153] L0 SEGMENT - Shipment Net Weight (DG 200)
[155] L0 SEGMENT - Shipment Net Explosive Weight (Dry) (DG 200)
LOOP CONDITION: Required if and only if HL SEGMENT - Net Explosive Weight Description Loop (English) Loop is used. Then, it is required to satisfy X12 syntax whether explosive is dry or wet.
[158] L0 SEGMENT - Shipment Net Explosive Weight (Dry) (DG 200)
[161] L0 SEGMENT - Shipment Dunnage Weight (DG 200)
LOOP CONDITION: Required if and only if HL SEGMENT - Dunnage Weight Description Loop is used.
[163] L0 SEGMENT - Shipment Pallet Weight (DG 200)
LOOP CONDITION: Required if and only if HL SEGMENT - Pallet Weight Description Loop is used.
[165] L0 SEGMENT - Shipment Skid Weight (DG 200)
LOOP CONDITION: Required if and only if HL SEGMENT - Skid Weight Description Loop is used.
[167] L0 SEGMENT - Shipment Freight Weight (DG 200)
[172] L0 SEGMENT - Service Units (DG 300)
LOOP CONDITION: Required if and only if HL SEGMENT - Accessorial/Protective Services Loop is used.
[176] L0 SEGMENT - Type of Service (DG 300)
LOOP CONDITION: Required for air freight shipments.

[179] L0 SEGMENT - Fuel Surcharge Loop Identifier (DG 301)
LOOP CONDITION: Required if and only if HL SEGMENT - Fuel Surcharge Loop is used.
[184] L0 SEGMENT - Commodity Billed/Rated Quantity (DG 400)
LOOP CONDITION: Required if and only if HL SEGMENT - Commodity Classification Summary Loop is used.
[189] L0 SEGMENT - Quality Control (DG 500)
LOOP CONDITION: This segment is required only if HL SEGMENT - ITO Quality Management Info Loop Qualifier is used.
[192] L0 SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee Loop Identifier (DG 600)
LOOP CONDITION: Required if and only if HL SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee Loop is used.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| >> | **L001** | **213** | **Lading Line Item Number**<br>Sequential line number for a lading item<br>[172-01] Service Loop Identifier (DG 300)<br>Use value '300' to indicate service loop.<br>[179-01] Fuel Surcharge Loop Identifier (DG 301)<br>Use value '301' to indicate fuel surcharge loop.<br>[189-01] Item Qualifier (DG 500)<br>Use value '500' to satisfy X12 syntax for the Not Lowest Cost Charge Difference Loop.<br>[192-01] TWCF Recovery Fee Loop Identifier (DG 600)<br>Use value '600' to indicate TWCF Recovery Fee loop. | **O** | **N0 1/3** |
| >> | **L002** | **220** | **Billed/Rated-as Quantity**<br>Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81<br>[117-02] Billed/Rated Quantity (DG 120)<br>A commodity is a single type of product or material. Transportation of a commodity is usually billed/rated by units of freight weight. A line item on a transportation bill describes a single commodity. The quantity of a line item commodity is described here in the L0 segment in the HL Detail - Line Item Description Loop. One L0 segment occurs for each type pack under the line item. There may be many line items, i.e., HL Line Item Description Loop, of the same commodity. Two rules must be followed when constructing an L0 segment: 1) If the billed/rated quantity is expressed as freight weight, it appears here. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. The L004, L005, and L011 elements are not used. 2) If the billed/rated quantity is other than weight, such as barrels or gallons in the case of a pipeline shipment, it also appears here. If entry does not contain a decimal, decimal is assumed at right-most point of the field. In addition, the L004, L005, and L011 elements are used to carry the weight information, if required. For ocean shipments, enter line item weight.<br>[172-02] Service Units (DG 300)<br>The number of units (i.e. hours, 100 weight, etc.) for a specific additional service performed by the carrier. If this number is fractional, carry the decimal; if an integer, a decimal is not required. If service units do not apply, leave L002 and L003 blank.<br>[184-02] Commodity Billed/Rated Quantity (DG 400)<br>All quantities that appear in HL Line Item Description Loops must be accumulated by commodity and carried here within the HL Detail - Commodity Classification Summary Loop. A commodity is a single type of product or material. Transportation of a commodity is usually billed/rated by units of freight weight. A line item on a transportation bill describes a single commodity. The quantity of a line item commodity is described in the HL Detail - Line Item Description loop. There may be many line items (i.e., HL | **X** | **R 1/11** |

Detail - Line Item Description loops) of the same commodity. As with line item quantities, to describe accumulated quantities, two rules must be followed when constructing an L0 segment: 1) If the accumulated billed/rated quantity is expressed as freight weight, it appears here. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. Entry should not contain a decimal; decimal is assumed at right-most point of the field. The L004, L005, and L011 elements are not used. 2) If the accumulated billed/rated quantity is other than weight, such as barrels in the case of a pipeline shipment, it also appears here. In addition, the L004, L005, and L011 elements are used to carry the accumulated weight information, if required.

| | | | | | |
|---|---|---|---|---|---|
| >> | **L003** | **221** | **Billed/Rated-as Qualifier** | **X** | **ID 2/2** |

Code identifying the type of quantity or value on which the rate or item pricing is based

[117-03] Billed/Rated Quantity Qualifier (DG 120)
[172-03] Service Units Qualifier (DG 300)
ELEMENT CONDITION: Required if L002 is used.
SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.
[184-03] Commodity Billed/Rated Quantity Qualifier (DG 400)

| | |
|---|---|
| BA | Barrels<br>Identifies a billable unit expressed as a type of container<br>[117-03] Barrels<br>[184-03] Barrels |
| GL | Gallon<br>[117-03] Gallon<br>[184-03] Gallon |
| LB | Pound<br>[117-03] Pound<br>[184-03] Pound |

| | | | | | |
|---|---|---|---|---|---|
| >> | **L004** | **81** | **Weight** | **X** | **R 1/10** |

Numeric value of weight

[117-04] Freight Weight (DG 120)
Freight weight of line item described in pounds only. Freight weight is the weight that line haul rate is based on and may include skid, pallet, and dunnage weights, depending on the applicable tender. Skid, pallet, and dunnage weights are carried in separate MEA segments. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. See the next occurrence of the MEA segment for the weight breakdown for packing materials. Decimals are not used for ocean shipments.
[124-04] Weight (DG 120)
[125-04] Dimensional Weight (DG 120)
When applicable, dimensional weight shall be calculated using the following formula: Length x Width x Height divided by 194 equals dimensional weight (all measurements in inches).
[149-04] Shipment Gross Weight (DG 200)
The total weight for the shipment. This weight includes the shipment net weight plus the tare weight. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.
[151-04] Shipment Tare Weight (DG 200)
The actual tare weight of the shipment. Tare weight is the weight of the truck or container. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.
[153-04] Shipment Net Weight (DG 200)
The net weight of the shipment. Net weight = freight weight + skid weight +

pallet weight + dunnage weight. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.
[155-04] Shipment Net Explosive Weight (Dry) (DG 200)
Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. If explosive is wet, enter value zero (0) to satisfy X12 syntax.
ELEMENT CONDITION: Enter net explosive weight if explosive is dry.
[158-04] Shipment Net Explosive Weight (Dry) (DG 200)
Use value zero (0) to satisfy X12 syntax.
[161-04] Shipment Dunnage Weight (DG 200)
Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.
[163-04] Shipment Pallet Weight (DG 200)
Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.
[165-04] Shipment Skid Weight (DG 200)
Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.
[167-04] Shipment Freight Weight (DG 200)
Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. The freight weight for all commodities should be accumulated and carried in the data element. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.
[184-04] Weight (DG 400)
If the commodity freight weight has not been expressed as commodity billed/rated quantity in L002, then it can be expressed here. If the commodity is bulk fuel or another commodity that requires weight in addition to units shipped, carry the commodity's freight weight here and carry the units shipped in L002 and L003. Otherwise, carry all commodity weights in the L002 and L003. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.

| | | | | | |
|---|---|---|---|---|---|
| >> | **L005** | **187** | **Weight Qualifier** | **X** | **ID 1/2** |

Code defining the type of weight

[117-05] Freight Weight Qualifier (DG 120)
ELEMENT CONDITION: Required if L004 is used.
[124-05] Weight Qualifier (DG 120)
[125-05] Dimensional Weight Qualifier (DG 120)
[149-05] Shipment Gross Weight Qualifier (DG 200)
[151-05] Shipment Tare Weight Qualifier (DG 200)
[153-05] Shipment Net Weight Qualifier (DG 200)
[155-05] Shipment Net Explosive Weight Qualifier (DG 200)
This element is required to satisfy X12 syntax whether explosive is dry or wet.
[158-05] Shipment Net Explosive Weight Qualifier (DG 200)
This element is required to satisfy X12 syntax whether explosive is dry or wet.
[161-05] Shipment Dunnage Weight Qualifier (DG 200)
[163-05] Shipment Pallet Weight Qualifier (DG 200)
[165-05] Shipment Skid Weight Qualifier (DG 200)
[167-05] Shipment Freight Weight Qualifier (DG 200)
[184-05] Weight Qualifier (DG 400)
ELEMENT CONDITION: Required if L004 is used.

| | |
|---|---|
| A | Consolidated Weight |
| | [117-05] Consolidated Weight |
| A1 | Dimensional Weight |
| | [117-05] Dimensional Weight<br>[124-05] Dimensional Weight<br>[125-05] Dimensional Weight |
| A2 | Reweighed By Carrier |
| | [117-05] Reweighed By Carrier |

| | |
|---|---|
| A3 | Shippers Weight |
| | [117-05] Shippers Weight |
| A4 | Average Weight per Load |
| | [117-05] Average Weight per Load |
| B | Billed Weight |
| | [117-05] Billed Weight |
| C | Actual Net Repeated for Combination |
| | [117-05] Actual Net Repeated for Combination |
| CD | Chargeable Dunnage |
| | The weight of material used to protect material in transit for which a charge is paid<br>[117-05] Chargeable Dunnage<br>[161-05] Chargeable Dunnage |
| CE | Certified Weight of Cargo |
| | [117-05] Certified Weight of Cargo<br>[155-05] Certified Weight of Cargo<br>[158-05] Certified Weight of Cargo |
| D | Destination Weight Agreement |
| | [117-05] Destination Weight Agreement |
| DR | Drained Weight |
| | [117-05] Drained Weight |
| E | Estimated Net Weight |
| | [117-05] Estimated Net Weight |
| F | Deficit Weight |
| | [117-05] Deficit Weight |
| FR | Freight Weight |
| | [117-05] Freight Weight<br>[124-05] Freight Weight<br>[167-05] Freight Weight<br>[184-05] Freight Weight |
| G | Gross Weight |
| | [117-05] Gross Weight<br>[149-05] Gross Weight |
| H | Weight Per 100 Feet |
| | [117-05] Weight Per 100 Feet |
| I | Weight Per 1000 Feet |
| | [117-05] Weight Per 1000 Feet |
| J | Light Weight |
| | [117-05] Light Weight |
| K | Clean Out |
| | [117-05] Clean Out |
| L | Legal Weight |
| | [117-05] Legal Weight |
| LC | Maximum Lading Capacity |
| | [117-05] Maximum Lading Capacity |
| M | Minimum Weight (for rate) |
| | [117-05] Minimum Weight (for rate) |
| N | Actual Net Weight |
| | [117-05] Actual Net Weight<br>[153-05] Actual Net Weight |
| ND | Nonchargeable Dunnage |
| | The weight of material used to protect material in transit for which there is no charge<br>[117-05] Nonchargeable Dunnage |

| | |
|---|---|
| NI | Non-Temporary Storage Weight In |
| | [117-05] Non-Temporary Storage Weight In |
| NR | Non-Temporary Storage Weight Re-handled |
| | [117-05] Non-Temporary Storage Weight Re-handled |
| NT | Non-Temporary Storage Weight Out |
| | [117-05] Non-Temporary Storage Weight Out |
| O | Excess Weight Over Maximum |
| | [117-05] Excess Weight Over Maximum |
| P | Weight Per 100 Units |
| | [117-05] Weight Per 100 Units |
| PA | Pallet Weight |
| | [117-05] Pallet Weight<br>[163-05] Pallet Weight |
| Q | Weight Per 1000 Units |
| | [117-05] Weight Per 1000 Units |
| R | Per Unit Dunnage |
| | [117-05] Per Unit Dunnage |
| RG | Reweigh Gross Weight |
| | [117-05] Reweigh Gross Weight |
| RN | Reweigh Net Weight |
| | [117-05] Reweigh Net Weight |
| RT | Reweigh Tare Weight |
| | [117-05] Reweigh Tare Weight |
| S | State Weight |
| | [117-05] State Weight |
| SF | Storage in Transit Final Weight Out |
| | [117-05] Storage in Transit Final Weight Out |
| SI | Storage in Transit Weight in |
| | [117-05] Storage in Transit Weight in |
| SK | Skid Weight |
| | [117-05] Skid Weight<br>[165-05] Skid Weight |
| SO | Storage in Transit Weight Out |
| | [117-05] Storage in Transit Weight Out |
| T | Tare Weight |
| | [117-05] Tare Weight<br>[151-05] Tare Weight |
| U | Weight Per Unit |
| | [117-05] Weight Per Unit |
| V | Non Transit Weight (On Transit Bills Only) |
| | [117-05] Non Transit Weight (On Transit Bills Only) |
| W | Transit Weight (On Transit Bills Only) |
| | [117-05] Transit Weight (On Transit Bills Only) |
| WA | Administrative Weight Allowance |
| | [117-05] Administrative Weight Allowance |
| WB | Unaccompanied Baggage Weight |
| | [117-05] Unaccompanied Baggage Weight |
| WG | Professional Gear Weight |
| | [117-05] Professional Gear Weight |
| WJ | Joint Travel Regulation Weight |
| | [117-05] Joint Travel Regulation Weight |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | X | Maximum Weight (for Rate) | | |
| | | | | [117-05] Maximum Weight (for Rate) | | |
| | | | Y | Theoretical Weight | | |
| | | | | [117-05] Theoretical Weight | | |
| | | | Z | Mutually Defined | | |
| | | | | [117-05] Mutually Defined | | |
| >> | **L006** | **183** | **Volume** | | **X** | **R 1/8** |
| | | | Value of volumetric measure | | | |
| | | | [117-06] Cube (DG 120)<br>Cube of line item.<br>[124-06] Cube (DG 120)<br>ELEMENT CONDITION: Required for ocean shipments. | | | |
| >> | **L007** | **184** | **Volume Unit Qualifier** | | **X** | **ID 1/1** |
| | | | Code identifying the volume unit | | | |
| | | | [117-07] Cube Qualifier (DG 120)<br>[124-07] Cube Qualifier (DG 120) | | | |
| | | | E | Cubic Feet | | |
| | | | | [117-07] Cubic Feet<br>[124-07] Cubic Feet | | |
| | | | G | Gallons | | |
| | | | | [117-07] Gallons | | |
| | | | H | Hundreds of Measurement Tons | | |
| | | | | [117-07] Hundreds of Measurement Tons | | |
| | | | S | Measurement Ton | | |
| | | | | [117-07] Measurement Ton | | |
| | | | V | Liter | | |
| | | | | [117-07] Liter | | |
| | | | X | Cubic Meters | | |
| | | | | [117-07] Cubic Meters | | |
| >> | **L008** | **80** | **Lading Quantity** | | **X** | **N0 1/7** |
| | | | Number of units (pieces) of the lading commodity | | | |
| | | | [117-08] Type Pack Quantity (DG 120)<br>Enter the Type Pack Quantity. For ocean shipments, enter number of pieces.<br>[124-08] Number of Pieces (DG 120)<br>ELEMENT CONDITION: Required for ocean shipments. | | | |
| >> | **L009** | **211** | **Packaging Form Code** | | **X** | **ID 3/3** |
| | | | Code for packaging form of the lading quantity | | | |
| | | | [117-09] Type Pack Qualifier (DG 120)<br>Code for packaging form of the lading quantity.<br>SOURCE: Reference Section 6.0 of this IC for code values using the table that contains the applicable type pack qualifier. Common code values associated with multiple definitions prevents documentation of the entire sub-set.<br>[124-09] Packaging Form Code (for number of pieces) (DG 120) | | | |
| | | | PCS | Pieces | | |
| | | | | [124-09] Pieces | | |

| | | | | | |
|---|---|---|---|---|---|
| | **L010** | **458** | **Dunnage Description** | **O** | **AN 2/25** |
| | | | Material used to protect lading | | |
| | | | [117-10] Type Pack Sub Qualifier (DG 120)<br>Material used to protect lading.<br>ELEMENT CONDITION: Use this value to identify specific MSCVAN and SEAVAN configurations.<br>SOURCE: Reference Section 6.0 of this IC for code values using the table that contains the applicable type pack qualifier. Common code values associated with multiple definitions prevents documentation of the entire sub-set.<br>[124-10] Ammunition Lot Number (DG 120)<br>Use leading zero as necessary to provide a minimum of two characters. | | |
| >> | **L011** | **188** | **Weight Unit Code** | **O** | **ID 1/1** |
| | | | Code specifying the weight unit | | |
| | | | [117-11] Freight Weight Unit Code (DG 120)<br>ELEMENT CONDITION: Required if L004 is used.<br>[125-11] Weight Unit Code (DG 120)<br>[149-11] Shipment Gross Weight Unit Qualifier (DG 200)<br>[151-11] Shipment Tare Weight Unit Qualifier (DG 200)<br>[153-11] Shipment Net Weight Unit Qualifier (DG 200)<br>[155-11] Shipment Net Explosive Weight Qualifier (Dry) (DG 200)<br>ELEMENT CONDITION: Use this element only if explosive is dry.<br>[158-11] Shipment Net Explosive Weight Qualifier (Dry) (DG 200)<br>ELEMENT CONDITION: Use this element only if explosive is dry.<br>[161-11] Shipment Dunnage Weight Unit Qualifier (DG 200)<br>[163-11] Shipment Pallet Weight Unit Qualifier (DG 200)<br>[165-11] Shipment Skid Weight Unit Qualifier (DG 200)<br>[167-11] Shipment Freight Weight Unit Qualifier (DG 200)<br>[184-11] Weight Unit Qualifier (DG 400)<br>ELEMENT CONDITION: Required if L004 is used. | | |
| | | | E — Metric Ton<br>[117-11] Metric Ton<br>[125-11]<br>[149-11]<br>[151-11]<br>[153-11]<br>[155-11]<br>[158-11]<br>[161-11]<br>[163-11]<br>[165-11]<br>[167-11]<br>[184-11] | | |
| | | | G — Grams<br>[117-11] Grams<br>[125-11]<br>[149-11]<br>[151-11]<br>[153-11]<br>[155-11]<br>[158-11]<br>[161-11]<br>[163-11]<br>[165-11]<br>[167-11]<br>[184-11] | | |

| | |
|---|---|
| K | Kilograms |
| | [117-11] Kilograms<br>[125-11]<br>[149-11]<br>[151-11]<br>[153-11]<br>[155-11]<br>[158-11]<br>[161-11]<br>[163-11]<br>[165-11]<br>[167-11]<br>[184-11] |
| L | Pounds |
| | [117-11] Pounds<br>[125-11]<br>[149-11]<br>[151-11]<br>[153-11]<br>[155-11]<br>[158-11]<br>[161-11]<br>[163-11]<br>[165-11]<br>[167-11]<br>[184-11] |
| M | Measurement Ton |
| | [117-11] Measurement Ton<br>[125-11]<br>[149-11]<br>[151-11]<br>[153-11]<br>[155-11]<br>[158-11]<br>[161-11]<br>[163-11]<br>[165-11]<br>[167-11]<br>[184-11] |
| O | Ounces |
| | [117-11] Ounces<br>[125-11]<br>[149-11]<br>[151-11]<br>[153-11]<br>[155-11]<br>[158-11]<br>[161-11]<br>[163-11]<br>[165-11]<br>[167-11]<br>[184-11] |

| | | | | | |
|---|---|---|---|---|---|
| | | | S | Short Ton | |
| | | | | [117-11] Short Ton<br>[125-11]<br>[149-11]<br>[151-11]<br>[153-11]<br>[155-11]<br>[158-11]<br>[161-11]<br>[163-11]<br>[165-11]<br>[167-11]<br>[184-11] | |
| | | | T | Long Ton | |
| | | | | [117-11] Long Ton<br>[125-11]<br>[149-11]<br>[151-11]<br>[153-11]<br>[155-11]<br>[158-11]<br>[161-11]<br>[163-11]<br>[165-11]<br>[167-11]<br>[184-11] | |
| >> | **L012** | **56** | **Type of Service Code** | | **O** **ID 2/2** |
| | | | Code specifying extent of transportation service requested | | |
| | | | [176-12] Type of Service Code (DG 300) | | |
| | | | AA | New Code Added by IC | |
| | | | | [176-12] [Migration Code] Airport to Airport | |
| | | | DD | Door to Door | |
| | | | | [176-12] Door to Door | |
| | **L013** | **380** | **Quantity** | | **X** **R 1/15** |
| | | | Numeric value of quantity | | |
| | | | [117-13] Over-dimensional Pieces, Quantity (DG 120)<br>Used to indicate the number of oversized pieces. If there are multiple over-dimensional items (all the same size), send as one line item and indicate total quantity here. Required for ocean shipments when there is more than one set of oversized dimensions for the same item. | | |
| **X** | **L014** | **211** | **Packaging Form Code** | | **O** **ID 3/3** |
| | | | Code for packaging form of the lading quantity | | |
| | | | Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| | **L015** | **1073** | **Yes/No Condition or Response Code** | | **X** **ID 1/1** |
| | | | Code indicating a Yes or No condition or response | | |
| | | | [117-15] Oversized Item Indicator (DG 120)<br>ELEMENT CONDITION: Required if L013 is used. Required for ocean shipments when there is more than one set of oversized dimensions for the same item. | | |
| | | | N | No | |
| | | | | [117-15] No | |
| | | | Y | Yes | |
| | | | | [117-15] Yes | |

**Segment:** **L1** **Rate and Charges**
**Position:** 150
**Loop:** L0 Optional (Must Use)
**Level:** Detail
**Usage:** Optional
**Max Use:** 20
**Purpose:** To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements
**Syntax Notes:**
**1** If either L102 or L103 is present, then the other is required.
**2** At least one of L104 L105 or L106 is required.
**3** If either L114 or L115 is present, then the other is required.
**4** If either L117 or L118 is present, then the other is required.
**Semantic Notes:**
**1** L119 is the percent used to determine the charge in L104.
**2** L120, if used, indicates the currency for all monetary amounts in this L1 segment.
**3** L121 is the origin rated as charge amount.
**Comments:**
**Notes:**
[118] L1 SEGMENT - Declared Value of Bill of Lading Line Item (DG 120)
SEGMENT CONDITION: Declared value is required for all shipments that will be processed through a foreign host nation's customs and border clearance program.
[173] L1 SEGMENT - Service Rate (DG 300)
SEGMENT CONDITION: Required if and only if L0 SEGMENT - Service Units is used.
[177] L1 SEGMENT - Air Code (DG 300)
SEGMENT CONDITION: Required for air freight shipments.
[180] L1 SEGMENT - Fuel Surcharge (DG 301)
SEGMENT CONDITION: Required if and only if L0 SEGMENT - Fuel Surcharge Loop Identifier is used.
[185] L1 SEGMENT - Freight Rate (DG 400)
SEGMENT CONDITION: Required if and only if L0 SEGMENT - Commodity Billed/Rated Quantity is used.
[190] L1 SEGMENT - Not Lowest Cost Charge Difference (DG 500)
SEGMENT CONDITION: Required if and only if L0 SEGMENT - Quality Control is used.
[193] L1 SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee (DG 600)
SEGMENT CONDITION: Required if and only if L0 SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee Loop Identifier is used.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| X | **L101** | **213** | **Lading Line Item Number**<br>Sequential line number for a lading item | **O** | **N0 1/3** |
| | **L102** | **60** | **Freight Rate**<br>Rate that applies to the specific commodity<br>[173-02] Service Rate (DG 300)<br>[180-02] Fuel Surcharge Rate (DG 301)<br>[185-02] Freight Rate (DG 400)<br>Enter freight rate applied to the shipment of the commodity. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.<br>[193-02] TWCF Recovery Fee Rate (DG 600)<br>ELEMENT CONDITION: Used to pass the TWCF Recovery Fee rate applied per the DFTS contract. | **X** | **R 1/9** |
| | **L103** | **122** | **Rate/Value Qualifier**<br>Code qualifying how to extend charges or interpret value<br>[173-03] Service Rate Qualifier (DG 300)<br>ELEMENT CONDITION: Required if L102 is used.<br>SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored | **X** | **ID 2/2** |

Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments, Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.
Sample Values: FC,NM,P1,PM,XP
[180-03] Fuel Surcharge Rate Qualifier (DG 301)
[185-03] Freight Rate Qualifier (DG 400)
ELEMENT CONDITION: Required if L102 is used.
SOURCE: Reference Section 6.0 of this IC for code values using applicable Freight Rate Qualifier table. Common code values associated with multiple definitions prevents documentation of the entire sub-set.
Sample Values:
AV,BR,CW,DH,DR,DS,DV,ER,FC,FR,FT,HD,HM,HX,IN,MA,MB,MC,MH,MN,MP,MS,MV,MW,ND,NM,NP,NV,P1,PA,PC,PD,PG,PH,PI,PM,PN,PP,PR,PS,PV,PW,PY,RL,SP,ST,VA,VH,VR,VT,VU,VV,XP
[193-03] TWCF Recovery Fee Qualifier (DG 600)

| | |
|---|---|
| PM | Per Mile |
| | [180-03] Per Mile |
| PS | Per Shipment |
| | [193-03] Per Shipment |
| PW | Percentage of Charges |
| | [180-03] Percentage of Charges |
| VT | Per Mile per Vehicle |
| | Describes a rate that applies to the distance a conveying vehicle is used |
| | [180-03] Per Mile per Vehicle |

**>> L104 58 Charge X N2 1/12**

For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified
[118-04] Charge (DG 120)
Code identifying the type of identification number of Depository Financial Institution (DFI)
[173-04] Service Charge (DG 300)
The charge for an accessorial or protective service. If the shipper does not know the charge, enter '00' in this data element. A two-position decimal is implied in this data.
Sample Values: FC,NM,P1,PM,XP
[177-04] Air Charge (DG 300)
Use value '000'.
[180-04] Fuel Surcharge (DG 301)
The charge allowed for fuel surcharge.
[185-04] Freight Charge (DG 400)
The total line haul charge for the specific commodity described in L503.
Sample Values:
AV,BR,CW,DH,DR,DS,DV,ER,FC,FR,FT,HD,HM,HX,IN,MA,MB,MC,MH,MN,MP,MS,MV,MW,ND,NM,NP,NV,P1,PA,PC,PD,PG,PH,PI,PM,PN,PP,PR,PS,PV,PW,PY,RL,SP,ST,VA,VH,VR,VT,VU,VV,XP
[190-04] Not Lowest Cost Charge Difference (DG 500)
Use value zero (0) if no charge difference is available.
[193-04] TWCF Recovery Fee (DG 600)
The charge allowed for TWCF recovery fee.

| | |
|---|---|
| 00 | New Code Added by IC |
| | [118-04] Use value '00' to meet X12 syntax requirements. |

| | | | | | |
|---|---|---|---|---|---|
| **X** | **L105** | **191** | **Advances** | **X** | **N2 1/9** |
| | | | Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified | | |
| **X** | **L106** | **117** | **Prepaid Amount** | **X** | **N2 1/9** |
| | | | Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified | | |
| **X** | **L107** | **120** | **Rate Combination Point Code** | **O** | **AN 3/9** |
| | | | The code denoting the connecting station for a joint rate obtained by combining two or more published rates which are used for the calculation of transportation charges<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| **>>** | **L108** | **150** | **Special Charge or Allowance Code** | **O** | **ID 3/3** |
| | | | Code identifying type of special charge or allowance<br>[173-08] Service Identifier Code (DG 300)<br>Code values apply both to services requested and received.<br><br>See Section 6.0 for valid code list.<br>SOURCE: Reference Section 6.0 of this IC, beginning on page 6.14, for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.<br>Sample Values: FC,NM,P1,PM,XP,045,495,500,AAM,AAS<br>[177-08] Air Code (DG 300)<br>[180-08] Fuel Surcharge Service Identifier (DG 301)<br>[193-08] TWCF Recovery Fee Service Identifier (DG 600) | | |
| | | | 405 — Fuel Surcharge<br>[180-08] Fuel Surcharge<br>Use '405' to denote Fuel Surcharge for Air and Fuel Adjustment for non-Air | | |
| | | | 615 — Recovery Fee<br>[193-08] Recovery Fee<br>Use '615' to denote Transportation Working Capital Fund (TWCF) Recovery Fee | | |
| | | | AIR — Air Freight<br>[177-08] Air Freight | | |
| **>>** | **L109** | **121** | **Rate Class Code** | **O** | **ID 1/3** |
| | | | Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k<br>[185-09] Type of Rate Qualifier (DG 400)<br>Qualifies the authority (tender/tariff) number identified in the HL Detail - Line Item Description loop, L7 segment.<br>Sample Values:<br>AV,BR,CW,DH,DR,DS,DV,ER,FC,FR,FT,HD,HM,HX,IN,MA,MB,MC,MH,MN,MP,MS,MV,MW,ND,NM,NP,NV,P1,PA,PC,PD,PG,PH,PI,PM,PN,PP,PR,PS,PV,PW,PY,RL,SP,ST,VA,VH,VR,VT,VU,VV,XP | | |
| | | | A — Alternate Rating<br>[185-09] Alternate Rating | | |
| | | | C — Specific Commodity Rate<br>[185-09] Specific Commodity Rate | | |
| | | | I — Class Not Identifiable<br>[185-09] Class Not Identifiable | | |

| | | | | | |
|---|---|---|---|---|---|
| | | | L — Class Rate<br>[185-09] Class Rate | | |
| | | | QUO — Quoted Rate<br>[185-09] Quoted Rate | | |
| | | | Y — Exception Rating<br>[185-09] Exception Rating | | |
| **X** | **L110** | **39** | **Entitlement Code**<br>Code identifying entitlement party<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/1** |
| **X** | **L111** | **16** | **Charge Method of Payment**<br>Code defining method of payment<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/1** |
| | **L112** | **276** | **Special Charge Description**<br>Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150<br>[173-12] Service Description (DG 300)<br>Some accessorial services such as empty movements and stops (including stop-offs, inside pickup and delivery, and objective service supply deliveries) require a Standard Point Location Code (SPLC) to describe where the service was performed. This information is required to determine the charge for the service.<br>SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.<br>Sample Values: FC,NM,P1,PM,XP,045,495,500,AAM,AAS,LTL,TL | **O** | **AN 2/25** |
| **X** | **L113** | **257** | **Tariff Application Code**<br>Code indicating to which traffic a tariff applies<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/1** |
| >> | **L114** | **74** | **Declared Value**<br>Monetary assigned value expressed in the standard monetary denomination for the currency specified<br>[118-14] Declared Value (DG 120)<br>Enter the actual value or selling price per TCN (include total bill of lading line item quantity cost).<br>[185-14] Declared Value (DG 400)<br>ELEMENT CONDITION: Required for proper application of rates for certain commodities.<br>Sample Values:<br>AV,BR,CW,DH,DR,DS,DV,ER,FC,FR,FT,HD,HM,HX,IN,MA,MB,MC,MH,MN,MP,MS,MV,MW,ND,NM,NP,NV,P1,PA,PC,PD,PG,PH,PI,PM,PN,PP,PR,PS,PV,PW,PY,RL,SP,ST,VA,VH,VR,VT,VU,VV,XP | **X** | **N2 2/12** |
| >> | **L115** | **122** | **Rate/Value Qualifier**<br>Code qualifying how to extend charges or interpret value<br>[118-15] Rate/Value Qualifier (DG 120)<br>[185-15] Declared Value Rate Qualifier (DG 400)<br>ELEMENT CONDITION: Required if L114 is used.<br>Sample Values:<br>AV,BR,CW,DH,DR,DS,DV,ER,FC,FR,FT,HD,HM,HX,IN,MA,MB,MC,MH,MN,MP,MS,MV,MW,ND,NM,NP,NV,P1,PA,PC,PD,PG,PH,PI,PM,PN,PP,PR,PS,PV,PW,PY,RL,SP,ST,VA,VH,VR,VT,VU,VV,XP | **X** | **ID 2/2** |
| | | | CO — Cost per Unit<br>[118-15] Cost per Unit<br>Use 'CO' to denote Total Cost per TCN | | |

| | | | | | |
|---|---|---|---|---|---|
| | | | LA | Per Pound Per Article | |
| | | | | [185-15] Per Pound Per Article | |
| | | | LB | Per Pound | |
| | | | | [185-15] Per Pound | |
| | | | LV | Per Pound Per Vehicle | |
| | | | | [185-15] Per Pound Per Vehicle | |
| | | | PV | Per Vehicle | |
| | | | | [185-15] Per Vehicle | |
| **X** | **L116** | **372** | **Lading Liability Code** | **O** | **ID 1/1** |
| | | | Code identifying limits of liability<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| **X** | **L117** | **220** | **Billed/Rated-as Quantity** | **X** | **R 1/11** |
| | | | Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81 | | |
| **X** | **L118** | **221** | **Billed/Rated-as Qualifier** | **X** | **ID 2/2** |
| | | | Code identifying the type of quantity or value on which the rate or item pricing is based<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| **X** | **L119** | **954** | **Percent** | **O** | **R 1/10** |
| | | | Percentage expressed as a decimal | | |
| **X** | **L120** | **100** | **Currency Code** | **O** | **ID 3/3** |
| | | | Code (Standard ISO) for country in whose currency the charges are specified | | |
| **X** | **L121** | **610** | **Amount** | **O** | **N2 1/15** |
| | | | Monetary amount | | |

**Segment:** **MEA** **Measurements**
**Position:** 160
**Loop:** L0 Optional (Must Use)
**Level:** Detail
**Usage:** Optional
**Max Use:** 10
**Purpose:** To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
**Syntax Notes:**
**1** At least one of MEA03 MEA05 MEA06 or MEA08 is required.
**2** If MEA05 is present, then MEA04 is required.
**3** If MEA06 is present, then MEA04 is required.
**4** If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
**5** Only one of MEA08 or MEA03 may be present.
**Semantic Notes:**
**1** MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
**Comments:**
**1** When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.
**Notes:**
[119] MEA SEGMENT - Packaging Material Weight (DG 120)
SEGMENT CONDITION: Use to provide weight breakout per type pack per commodity per shipment unit.
[120] MEA SEGMENT - Shipped Dimensions (DG 120)
SEGMENT CONDITION: Required if the shipment is oversize or if air shipment. (GFM needs dimensions to cost air shipment.) All dimensions are required for all 3PL carrier shipments.
[121] MEA SEGMENT - Net Explosive Weight (English) (DG 120)
For OCONUS shipments, NEW facilitates compliance with 1MDGC.
SEGMENT CONDITION: Required for all shipment modes; include if available. English (and metric) units are required to comply with 49 CFR 171.10.
[122] MEA SEGMENT - Net Explosive Quantity (Metric) (DG 120)
For OCONUS shipments, NEW facilitates compliance with 1MDGC.
SEGMENT CONDITION: Required if available. Metric (and English) units are required to comply with 49 CRF 171.10.
[123] MEA SEGMENT - Round Count (DG 120)
SEGMENT CONDITION: Required if shipment contains ammunition.
[156] MEA SEGMENT - Shipment Net Explosive Weight (Wet) (DG 200)
SEGMENT CONDITION: Use this segment only if explosive is wet.
[159] MEA SEGMENT - Shipment Net Explosive Weight (Wet) (DG 200)
SEGMENT CONDITION: Use this segment only if explosive is wet.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| >> | **MEA01** | **737** | **Measurement Reference ID Code**<br>Code identifying the broad category to which a measurement applies<br>[119-01] Packaging Material Qualifier (DG 120)<br>Weight breakout per type pack per commodity per shipment unit is carried in the MEA segment. For each type of packing material weight breakout, use an individual MEA segment.<br>[120-01] Shipped Dimensions Information Qualifier (DG 120)<br>[121-01] Net Explosive Weight Qualifier (DG 120)<br>[122-01] Net Explosive Quantity Qualifier (DG 120)<br>[123-01] Round Count Qualifier (DG 120)<br>[156-01] Shipment Net Explosive Weight Qualifier (Wet) (DG 200)<br>[159-01] Shipment Net Explosive Weight Qualifier (Wet) (DG 200)<br>CT Counts<br>[123-01] Counts<br>DN Dunnage Dimension<br>[119-01] Dunnage Dimension | **O ID 2/2** |

| | | | |
|---|---|---|---|
| | NX | Net Explosive Weight | |
| | | [121-01] Net Explosive Weight<br>[156-01] Net Explosive Weight<br>[159-01] Net Explosive Weight | |
| | PA | Pallet Dimensions | |
| | | [119-01] Pallet Dimensions | |
| | SD | Shipped Dimensions | |
| | | [120-01] Shipped Dimensions | |
| | SK | Skid Dimensions | |
| | | [119-01] Skid Dimensions | |
| | WT | Weights | |
| | | [122-01] Weights<br>Use 'WT' to denote Net Explosive Quantity | |

| | | | | | |
|---|---|---|---|---|---|
| >> | **MEA02** | **738** | **Measurement Qualifier** | **O** | **ID 1/3** |
| | | | Code identifying a specific product or process characteristic to which a measurement applies | | |
| | | | [119-02] Packaging Material Weight Qualifier (DG 120)<br>[120-02] Shipped Dimensions Qualifier (DG 120)<br>GFM will calculate oversize dimensions from shipper provided information. | | |
| | | | B — Billed Weight | | |
| | | | [119-02] Billed Weight | | |
| | | | HT — Height | | |
| | | | [120-02] Height | | |
| | | | LN — Length | | |
| | | | [120-02] Length | | |
| | | | WD — Width | | |
| | | | [120-02] Width | | |
| >> | **MEA03** | **739** | **Measurement Value** | **X** | **R 1/20** |
| | | | The value of the measurement | | |
| | | | [119-03] Packaging Material Weight (DG 120)<br>The weight for any component of the packaging material (e.g. skid, pallet, dunnage weights). Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.<br>[120-03] Shipped Dimensions Units (DG 120)<br>Use for values of oversize dimensions.<br>[121-03] Net Explosive Weight (DG 120)<br>If net explosive weight is available for an individual line item, carry that weight in this data element. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.<br>[122-03] Net Explosive Quantity (DG 120)<br>Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.<br>[123-03] Round Count (DG 120)<br>[156-03] Shipment Net Explosive Weight (Wet) (DG 200)<br>Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.<br>[159-03] Shipment Net Explosive Weight (Wet) (DG 200)<br>Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. | | |

| | | | | | |
|---|---|---|---|---|---|
| >> | **MEA04** | **C001** | **Composite Unit of Measure** | **X** | |
| | | | To identify a composite unit of measure (See Figures Appendix for examples of use)<br>[119-04] Unit or Basis for Measurement Code (DG 120)<br>C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter.<br>[120-04] Unit or Basis for Measurement Code (DG 120)<br>C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter.<br>[121-04] Composite Unit of Measurement Code (DG 120)<br>[122-04] Composite Unit of Measurement Code (DG 120)<br>[123-04] Composite Unit of Measurement Code (DG 120)<br>[156-04] Composite Unit of Measure (Wet) (DG 200)<br>C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter.<br>[159-04] Composite Unit of Measure (DG 200)<br>C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter. | | |
| **M** | **C00101** | **355** | **Unit or Basis for Measurement Code** | **M** | **ID 2/2** |
| | | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>[119-04-01] Unit or Basis for Measurement Code (DG 120)<br>By placing code value 'PN' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element.<br>[120-04-01] English Measurement Code (DG 120)<br>By placing code value 'FT' or 'IN' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element.<br>[121-04-01] Net Explosive Weight Qualifier (English) (DG 120)<br>Both metric and English units are required to comply with 49 CFR 171.10. By placing these code values (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. Use 'GA' if explosive is wet. Use 'PN' if explosive is dry.<br>[122-04-01] Net Explosive Quantity Qualifier (Metric) (DG 120)<br>By placing these code values (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. Use 'KG' if explosive is dry. Use 'LT' if explosive is wet.<br>[123-04-01] Round Count Qualifier (DG 120)<br>By placing code value 'RO' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element.<br>[156-04-01] Shipment Net Explosive Weight Qualifier (Wet) (DG 200)<br>By placing code value 'GA' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element.<br>[159-04-01] Shipment Net Explosive Weight Qualifier (Wet) (DG 200)<br>By placing code value 'LT' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. | | |
| | | | FT — Foot<br>[120-04-01] Foot | | |
| | | | GA — Gallon<br>[121-04-01] Gallon<br>[156-04-01] Gallon | | |
| | | | IN — Inch<br>[120-04-01] Inch | | |

| | | | | | |
|---|---|---|---|---|---|
| | | | KG Kilogram<br>[122-04-01] Kilogram<br>LT Liter<br>[122-04-01] Liter<br>[159-04-01] Liter<br>PN Pounds Net<br>[119-04-01] Pounds Net<br>[121-04-01] Pounds Net<br>RO Round<br>[123-04-01] Round | | |
| | **C00102** | **1018** | **Exponent**<br>Power to which a unit is raised | **O** | **R 1/15** |
| | **C00103** | **649** | **Multiplier**<br>Value to be used as a multiplier to obtain a new value | **O** | **R 1/10** |
| | **C00104** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |
| | **C00105** | **1018** | **Exponent**<br>Power to which a unit is raised | **O** | **R 1/15** |
| | **C00106** | **649** | **Multiplier**<br>Value to be used as a multiplier to obtain a new value | **O** | **R 1/10** |
| | **C00107** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |
| | **C00108** | **1018** | **Exponent**<br>Power to which a unit is raised | **O** | **R 1/15** |
| | **C00109** | **649** | **Multiplier**<br>Value to be used as a multiplier to obtain a new value | **O** | **R 1/10** |
| | **C00110** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |
| | **C00111** | **1018** | **Exponent**<br>Power to which a unit is raised | **O** | **R 1/15** |
| | **C00112** | **649** | **Multiplier**<br>Value to be used as a multiplier to obtain a new value | **O** | **R 1/10** |
| | **C00113** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |
| | **C00114** | **1018** | **Exponent**<br>Power to which a unit is raised | **O** | **R 1/15** |
| | **C00115** | **649** | **Multiplier**<br>Value to be used as a multiplier to obtain a new value | **O** | **R 1/10** |
| **X** | **MEA05** | **740** | **Range Minimum**<br>The value specifying the minimum of the measurement range | **X** | **R 1/20** |
| **X** | **MEA06** | **741** | **Range Maximum**<br>The value specifying the maximum of the measurement range | **X** | **R 1/20** |

| | | | | | |
|---|---|---|---|---|---|
| **X** | **MEA07** | **935** | **Measurement Significance Code**<br>Code used to benchmark, qualify or further define a measurement value<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |
| **X** | **MEA08** | **936** | **Measurement Attribute Code**<br>Code used to express an attribute response when a numeric measurement value cannot be determined<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 2/2** |
| **X** | **MEA09** | **752** | **Surface/Layer/Position Code**<br>Code indicating the product surface, layer or position that is being described<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |
| **X** | **MEA10** | **1373** | **Measurement Method or Device**<br>The method or device used to record the measurement<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/4** |

**Segment:** **LH1** **Hazardous Identification Information**
**Position:** 170
**Loop:** LH1 Optional
**Level:** Detail
**Usage:** Optional
**Max Use:** 1
**Purpose:** To specify the hazardous commodity identification reference number and quantity
**Syntax Notes:**
**Semantic Notes:**
**Comments:**
**1** LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.
**2** LH106 and LH107 are used to convey the quantity or volume and unit of measure for nonbulk shipments only.
**3** In LH109, a value of "R" or "P" requires that the receiver generate the words "residue: last contained" prior to the shipping name in accordance with regulations.

**Notes:**
[126] LH1 SEGMENT - HAZMAT Quantities (DG 190)
LOOP CONDITION: DG 190 required if the shipment contains hazardous material and/or the Defense Transportation Tracking System (DTTS) is required.
[186] LH1 SEGMENT - HAZMAT Quantities (DG 400)
LOOP CONDITION: Use this segment if the commodity is hazardous material.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **LH101** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>[126-01] HAZMAT - Unit Of Measure Code (DG 190)<br>Contains the code identifying the Unit of Measure (type of packaging) for which the data in LH102 is reported. Use LH106 to express weight and volume.<br>SOURCE: Reference Section 6.0 of this IC for code values using applicable tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.<br>Sample Values: BA,BD,BG,BX,CH<br>[186-01] HAZMAT - Unit Of Measure Code (DG 400)<br>Use 'ZZ' in this data element and zero (0) in LH102 to indicate commodity requires a HAZMAT indicator.<br>ZZ Mutually Defined<br>[186-01] Mutually Defined | **M** | **ID 2/2** |
| **M** | **LH102** | **80** | **Lading Quantity**<br>Number of units (pieces) of the lading commodity<br>[126-02] HAZMAT - Lading Quantity (DG 190)<br>Contains the number of units (pieces) of the lading commodity that is Hazardous.<br>SOURCE: 49 CFR 172.202(c)<br>Sample Values: BA,BD,BG,BX,CH<br>[186-02] HAZMAT - Lading Quantity (DG 400)<br>Use the value zero (0). | **M** | **N0 1/7** |
| >> | **LH103** | **277** | **UN/NA Identification Code**<br>Code identifying the hazardous material identification number as required by Title 49 of the code of Federal Regulations; UN/NA stands for United Nations/North America<br>[126-03] HAZMAT - UN/NA ID Code (DG 190)<br>SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications<br>Sample Values: BA,BD,BG,BX,CH | **O** | **ID 6/6** |

| | | | | | |
|---|---|---|---|---|---|
| **X** | **LH104** | **200** | **Hazardous Materials Page** | **O** | **AN 1/6** |
| | | | The United Nations page number as required for the international transport of hazardous materials | | |
| **X** | **LH105** | **22** | **Commodity Code** | **O** | **AN 1/30** |
| | | | Code describing a commodity or group of commodities | | |
| | **LH106** | **355** | **Unit or Basis for Measurement Code** | **O** | **ID 2/2** |
| | | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | |

[126-06] HAZMAT - English Measurement Code (DG 190)
Use the unit of measure codes for quantity or volume of non bulk shipments. This will typically be pounds, cubic feet, or a unit of measure other than pieces. If the weight of the hazardous material is measured in other than the above listed Weight Units of Measure, refer to X12 Standard, DE 355. Use LH101 to express type of packaging.
ELEMENT CONDITION: Required if LH107 is used. At least one LH106/LH107 or LFH05/LFH06 are required to pass the HAZMAT unit of measure and quantity. If an English and Metric unit of measure are available, both are required.
Sample Values: BA,BD,BG,BX,CH

| | |
|---|---|
| 20 | 20 Foot Container<br>A sea-land rectangular container box whose capacity is defined by its longest dimension and by which product shipments are measured and billed<br>[126-06] 20 Foot Container |
| 2R | Kilocurie<br>Unit of radiation<br>[126-06] Kilocurie |
| 4D | Curie<br>A unit of radioactivity equal to 3.7 * 10/10 disintegrations per second<br>[126-06] Curie |
| BR | Barrel<br>[126-06] Barrel |
| CW | Hundred Pounds (CWT)<br>[126-06] Hundred Pounds (CWT) |
| D2 | Shares<br>[126-06] Shares |
| FO | Fluid Ounce<br>[126-06] Fluid Ounce |
| G2 | U.S. Gallons Per Minute<br>Rate of flow<br>[126-06] U.S. Gallons Per Minute |
| GA | Gallon<br>[126-06] Gallon |
| LB | Pound<br>[126-06] Pound |
| LG | Long Ton<br>2240 pounds as used in the U.K.<br>[126-06] Long Ton |
| M0 | Magnetic Tapes<br>Number of Magnetic Tapes delivered with data<br>[126-06] Magnetic Tapes |

| | | | | | |
|---|---|---|---|---|---|
| | | | M5 | Microcurie | |
| | | | | [126-06] Microcurie | |
| | | | MU | Millicurie | |
| | | | | [126-06] Millicurie | |
| | | | NS | Short Ton | |
| | | | | Two thousand pounds | |
| | | | | [126-06] Short Ton | |
| | | | OZ | Ounce - Av | |
| | | | | [126-06] Ounce - Av | |
| | | | PN | Pounds Net | |
| | | | | [126-06] Pounds Net | |
| | | | PS | Pounds per Sq. Inch | |
| | | | | [126-06] Pounds per Sq. Inch | |
| | | | PT | Pint | |
| | | | | [126-06] Pint | |
| | | | Q2 | Pint U.S. Dry | |
| | | | | Volume equal to 33.6003125 cubic inches | |
| | | | | [126-06] Pint U.S. Dry | |
| | | | QT | Quart | |
| | | | | [126-06] Quart | |
| | **LH107** | **380** | **Quantity** | **O** | **R 1/15** |
| | | | Numeric value of quantity | | |
| | | | [126-07] HAZMAT - Quantity (DG 190)<br>Quantity refers to the amount (i.e., weight in pounds, volume in cubic feet, or other such measurement) of the hazardous material commodity that is to be transported.<br>Sample Values: BA,BD,BG,BX,CH | | |
| **X** | **LH108** | **595** | **Compartment ID Code** | **O** | **ID 1/1** |
| | | | Code identifying the compartment in a compartmentalized tank car<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| | **LH109** | **665** | **Residue Indicator Code** | **O** | **ID 1/1** |
| | | | Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded | | |
| | | | [126-09] HAZMAT - Residue Indicator Code (DG 190)<br>Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded.<br>Use code value 'R' to indicate that the unit being shipped is empty and contains a residue from a prior movement.<br>SOURCE: 49 CFR 172.203(e)<br>Sample Values: BA,BD,BG,BX,CH | | |
| | | | R | Residue Last Contained Description (Tank Car) | |
| | | | | [126-09] Residue Last Contained Description (Tank Car) | |
| | **LH110** | **254** | **Packing Group Code** | **O** | **ID 1/3** |
| | | | Code indicating degree of danger in terms of Roman number I, II or III | | |
| | | | [126-10] HAZMAT - Packing Group Code (DG 190)<br>Indicate the required packing group using Roman Numeral I, II, or III to indicate the degree of danger.<br>SOURCE: 49 CFR, Table 172.101<br>Sample Values: BA,BD,BG,BX,CH | | |
| **X** | **LH111** | **1375** | **Interim Hazardous Material Regulatory Number** | **O** | **AN 1/5** |
| | | | Identifies the current regulatory version number used for hazardous materials shipments | | |

**Segment:** **LH2** **Hazardous Classification Information**
**Position:** 180
**Loop:** LH1 Optional
**Level:** Detail
**Usage:** Optional
**Max Use:** 4
**Purpose:** To specify the hazardous notation and endorsement information
**Syntax Notes:**
**1** If either LH206 or LH207 is present, then the other is required.
**2** If either LH208 or LH209 is present, then the other is required.
**3** If either LH210 or LH211 is present, then the other is required.
**Semantic Notes:**
**1** LH206 and LH207 indicate the flashpoint temperature.
**2** LH208 and LH209 indicate the control temperature.
**3** LH210 and LH211 indicate the emergency temperature.
**Comments:**
**Notes:** [127] LH2 SEGMENT - HAZMAT Classification (DG 190)
SEGMENT CONDITION: Required for loaded and unloaded HAZMAT shipments.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| >> | **LH201** | **215** | **Hazardous Classification**<br>The hazardous classification corresponding to the shipping name of the hazardous commodity<br>[127-01] HAZMAT - Hazardous Class/Division (DG 190)<br>Identify the hazard class or division prescribed for the material as shown in column 3 of 49 CFR Table 172.101. If there is no hazard class or division, use the code in that column, such as ORM-D (Other Regulated Material), reference 49 CFR 173.2. If there is a subsidiary hazard but no hazard class or division, use code value 'NA'. A material for which the entry in this column is 'Forbidden' may not be offered for transportation nor be transported. This segment needs to be repeated for each subsidiary hazard.<br>SOURCE: 49 CFR 172.101;49 CFR 173.2 | **O** | **ID 1/30** |
| >> | **LH202** | **983** | **Hazardous Class Qualifier**<br>Code qualifying hazardous class<br>[127-02] HAZMAT - Hazard Class Qualifier (DG 190)<br>Repeat the LH2 segment as necessary to identify the primary and each subsidiary (secondary) hazard of the material being shipped.<br>P Primary<br>[127-02] Primary<br>S Secondary<br>[127-02] Secondary | **O** | **ID 1/1** |
| **X** | **LH203** | **218** | **Hazardous Placard Notation**<br>The placard notation corresponding to the hazard class of the hazardous commodity | **O** | **ID 14/40** |
| **X** | **LH204** | **222** | **Hazardous Endorsement**<br>The placard endorsement that is to be shown on the shipping papers for the hazardous commodity | **O** | **ID 4/25** |
| | **LH205** | **759** | **Reportable Quantity Code**<br>Code to identify presence of hazardous substance<br>[127-05] HAZMAT - Reportable Quantity (DG 190)<br>For empty packagings or units containing the residue of a hazardous material.<br>ELEMENT CONDITION: Required if necessary to indicate a reportable quantity is present in the shipment.<br>SOURCE: 49 CFR 172.203(e)<br>RQ Reportable Quantity<br>[127-05] Reportable Quantity | **O** | **ID 2/2** |

| | | | | | |
|---|---|---|---|---|---|
| | **LH206** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>[127-06] HAZMAT Flashpoint Temperature Code (DG 190)<br>ELEMENT CONDITION: Required if LH207 is used.<br>CE Centigrade, Celsius<br>[127-06] Centigrade, Celsius<br>Use 'CE' to denote Centigrade<br>FA Fahrenheit<br>[127-06] Fahrenheit | **X** | **ID 2/2** |
| | **LH207** | **408** | **Temperature**<br>Temperature<br>[127-07] HAZMAT Flashpoint Temperature (DG 190) | **X** | **R 1/4** |
| **X** | **LH208** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 2/2** |
| **X** | **LH209** | **408** | **Temperature**<br>Temperature | **X** | **R 1/4** |
| **X** | **LH210** | **355** | **Unit or Basis for Measurement Code**<br>Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 2/2** |
| **X** | **LH211** | **408** | **Temperature**<br>Temperature | **X** | **R 1/4** |

**Segment:** **LH3** **Hazardous Material Shipping Name**
**Position:** 190
**Loop:** LH1 Optional
**Level:** Detail
**Usage:** Optional
**Max Use:** 12
**Purpose:** To specify the hazardous material shipping name and additional descriptive requirements
**Syntax Notes:** **1** If either LH301 or LH302 is present, then the other is required.
**Semantic Notes:** **1** If LH304 is "Y", then this is an Association of American Railroads Operations and Transportation Bulletin 55 commodity. If "N", it is not an Association of American Railroads Operations and Transportation Bulletin 55 commodity.
**Comments:**
**Notes:** [128] LH3 SEGMENT - HAZMAT Names (DG 190)
SEGMENT CONDITION: Required for empty/unloaded HAZMAT shipments; this segment should contain the last contents shipping name.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| >> | **LH301** | **224** | **Hazardous Material Shipping Name**<br>The proper shipping name of the hazardous commodity as specified by the Code of Federal Regulations, Title 49<br>[128-01] HAZMAT - Proper Shipping Name (DG 190)<br>MANDATORY for all hazardous material shipments including ammunition and explosives. Create additional LH301 segment(s) for remainder of Proper Shipping Name exceeding 25 characters.<br>SOURCE: 49 CFR 172.101; 49 CFR 172.202 | **X AN 1/25** |
| >> | **LH302** | **984** | **Hazardous Material Shipping Name Qualifier**<br>Qualifier indicating the source (regulatory) of the proper shipping name<br>[128-02] HAZMAT - Proper Shipping Name Qualifier (DG 190)<br>C Canadian Shipping Name<br>[128-02] Canadian Shipping Name<br>D Domestic (United States) Shipping Name<br>[128-02] Domestic (United States) Shipping Name<br>I International Shipping Name<br>[128-02] International Shipping Name | **X ID 1/1** |
| | **LH303** | **985** | **N.O.S. Indicator Code**<br>Code indicating the type of regulatory requirements that apply to a description; N.O.S. stands for Not Otherwise Specified<br>[128-03] HAZMAT - N.O.S. Indicator Code (DG 190)<br>If this field is used, an LFH segment must follow using code value 'TEC' in LFH01.<br>NOS N.O.S. Regulatory Requirements Apply<br>[128-03] N.O.S. Regulatory Requirements Apply | **O ID 3/3** |
| **X** | **LH304** | **1073** | **Yes/No Condition or Response Code**<br>Code indicating a Yes or No condition or response<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O ID 1/1** |

**Segment:** **LFH** **Freeform Hazardous Material Information**
**Position:** 191
**Loop:** LH1 Optional
**Level:** Detail
**Usage:** Optional
**Max Use:** 20
**Purpose:** To uniquely identify the variable information required by government regulation covering the transportation of hazardous material shipments
**Syntax Notes:**
**1** If either LFH05 or LFH06 is present, then the other is required.
**Semantic Notes:**
**1** LFH06 indicates activity of the radioactive material.
**2** LFH07 indicates transport index of the radioactive material.
**Comments:**
**Notes:**
[129] LFH SEGMENT - HAZMAT Remarks (DG 190)
SEGMENT CONDITION: Required for HAZMAT shipments requiring specific labeling.
[130] LFH SEGMENT - Round Count (DG 190)
SEGMENT CONDITION: Required for TC-AIMS II moves only.
[131] LFH SEGMENT - HAZMAT Metric Weight (DG 190)
SEGMENT CONDITION: Required if LH107 is used. Use along with LH106 for HAZMAT explosive materials.
[132] LFH SEGMENT - Net Explosive Weight (English) (DG 190)
SEGMENT CONDITION: Required for TC-AIMS II moves only.
[133] LFH SEGMENT - Net Explosive Weight (Metric) (DG 190)
SEGMENT CONDITION: Required for TC-AIMS II moves only.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| **M** | **LFH01** | **808** | **Hazardous Material Shipment Information Qualifier**<br>Qualifier indicating the type of information being passed so that a receiver may format a description of hazardous commodity movements that meets regulatory requirements<br>[129-01] HAZMAT - Additional Basic Description Information Qualifier (DG 190)<br>Contains the hazardous material shipment information qualifier indicating the type of information being passed. MANDATORY for all explosives unless otherwise noted in 49 CFR 172.320. Use interim EX-number for explosives waiting for final classification.If the X12 code definition accompanying a LFH01 code value contains text in quotations, place the part in quotations in LFH02. If the code definition contains no quotations, see the user note in LFH02 for further guidance. Use code value 'ADI' to denote 'Other information not accounted for in the code list'. Use code value 'TEC' in this data element to indicate that the N.O.S. indicator is specified in LH303. Enter additional information that must appear in association with the shipment's basic description according to 49 CFR. Use additional occurrences of LFH segment as necessary for each code that applies to shipment.<br>SOURCE: 49 CFR<br>[130-01] HAZMAT- Information Qualifier (DG 190)<br>Use code value 'ADI' to satisfy X12 syntax requirements.<br>[131-01] HAZMAT- Information Qualifier (DG 190)<br>Use code value 'ADI' to satisfy X12 syntax requirements.<br>[132-01] HAZMAT - Information Qualifier (DG 190)<br>Use code value 'ADI' to satisfy X12 syntax requirements.<br>[133-01] HAZMAT - Shipment Information Qualifier (DG 190)<br>Use code value 'ADI' to satisfy X12 syntax requirements. | **M ID 3/3** |

| | |
|---|---|
| ADI | Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper |
| | [129-01] Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper<br>[130-01] Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper<br>[131-01] Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper<br>[132-01]<br>[133-01] Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper |
| CAO | Cargo Airlift Only |
| | [132-01] Cargo Airlift Only |
| D13 | "DOT - 113, Do Not Bump or Cut Off Car While in Motion" Declaration |
| | [132-01] "DOT - 113, Do Not Bump or Cut Off Car While in Motion" Declaration |
| DRC | Damaged Car Number |
| | [132-01] Damaged Car Number |
| DWW | "Dangerous When Wet" Declaration |
| | [129-01] "Dangerous When Wet" Declaration<br>[132-01] |
| EMS | Emergency Schedule (EMS) Page Number |
| | [132-01] Emergency Schedule (EMS) Page Number |
| HOT | Identifies Products in a Heated Molten State |
| | [129-01] Identifies Products in a Heated Molten State<br>[132-01] |
| HZC | Hazardous Substance Constituents |
| | [129-01] Hazardous Substance Constituents<br>[132-01] |
| INH | Inhalation Hazard |
| | [132-01] Inhalation Hazard |
| LQY | "Limited Quantity" Declaration |
| | [129-01] "Limited Quantity" Declaration<br>[132-01] |
| MFA | Medical First Aid Guide (MFAG) Page Number |
| | [132-01] Medical First Aid Guide (MFAG) Page Number |
| MOS | Maximum Operating Speed |
| | [129-01] Maximum Operating Speed<br>[132-01] |
| MPI | Marine Pollutant |
| | [129-01] Marine Pollutant<br>[132-01] |
| PIH | "Poison - Inhalation Hazard" Declaration |
| | [129-01] "Poison - Inhalation Hazard" Declaration<br>[132-01] |
| POI | "Poison" Declaration |
| | [129-01] Poison Declaration<br>Use 'POI' to denote "Poison" Declaration<br>[132-01] |

| | | |
|---|---|---|
| RAM | Radioactive Material Data | |
| | [129-01] Radioactive Material Data<br>[132-01] | |
| TEC | Technical or Chemical Group Name | |
| | [129-01] Technical or Chemical Group Name<br>[132-01] | |
| TNM | Trade Name | |
| | [132-01] Trade Name | |
| WST | Waste Declaration | |
| | [132-01] Waste Declaration | |

**M** **LFH02** **809** **Hazardous Material Shipment Information** **M** **AN 1/25**

Specific information required by law for hazardous material shipments

[129-02] HAZMAT - Additional Basic Description Information (DG 190)
Contains specific information about the hazardous material shipment. When applicable, use the descriptive narrative from LFH01. If LFH01 = 'ADI', use this element for any overflow information from LFH01 or 49 CFR except Proper Shipping Name. Use LFH03 for additional overflow. If LFH01 = 'PIH', enter 'Poisonous - Inhalation Hazard, Zone X', where X is the code designated in LFH04. If LFH01 = 'HOT', enter 'HOT' [See 49 CFR 172.203(n)]. If LFH01 = 'RAM', enter the appropriate text in quotes as specified by 49 CFR 172.203(d). If LFH01 = 'LQY', enter 'Ltd Qty' or 'Limited Quantity'. If LFH01 = 'HZC', enter 'Hazardous substance constituents.' If LFH01 = 'MOS', enter 'Maximum operating speed.' If LFH01 = 'MPI', enter 'Marine Pollutant.' For N.O.S. code (LFH01 = 'TEC'), enter the technical or chemical group name in parentheses. Place overflow in LFH03. Do not close parentheses until end of description is reached.
[130-02] HAZMAT- Round Count Identifier (DG 190)
Specific information required by law for hazardous material shipments.
Enter value 'CT' to indicate segment contains HAZMAT Round Count Information.
[131-02] HAZMAT- Shipment Information (DG 190)
Specific information required by law for hazardous material shipments.
Enter value 'WT' to indicate segment contains HAZMAT Metric Weight Information.
[132-02] HAZMAT - Shipment Information (DG 190)
Specific information required by law for hazardous material shipments.
Enter value 'NX' to indicate segment contains HAZMAT English Weight Information.
[133-02] HAZMAT - Shipment Information (DG 190)
Enter value 'NW' to indicate segment contains HAZMAT Metric Net Weight Information.

| | | |
|---|---|---|
| CT | New Code Added by IC | |
| | [130-02] | |
| NW | New Code Added by IC | |
| | [133-02] | |
| NX | New Code Added by IC | |
| | [132-02] | |
| WT | New Code Added by IC | |
| | [131-02] | |

**LFH03** **809** **Hazardous Material Shipment Information** **O** **AN 1/25**

Specific information required by law for hazardous material shipments

[129-03] HAZMAT - Additional Information (DG 190)
Use for description overflow from LFH02. Use LFH01, 02, and 03 as a set and repeat loop as necessary to convey all additional basic description information.

| | | | | | |
|---|---|---|---|---|---|
| | **LFH04** | **1023** | **Hazard Zone Code** | **O** | **ID 1/1** |

Code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone

[129-04] HAZMAT - Hazard Zone Code (DG 190)
Contains the code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone.
ELEMENT CONDITION: Use applicable Hazard Zone Code when LFH01 = PIH.

| | |
|---|---|
| A | Hazard Zone A |
| | [129-04] Hazard Zone A |
| B | Hazard Zone B |
| | [129-04] Hazard Zone B |
| C | Hazard Zone C |
| | [129-04] Hazard Zone C |
| D | Hazard Zone D |
| | [129-04] Hazard Zone D |

| | | | | | |
|---|---|---|---|---|---|
| >> | **LFH05** | **355** | **Unit or Basis for Measurement Code** | **X** | **ID 2/2** |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

[130-05] HAZMAT- Round Count Qualifier (DG 190)
[131-05] HAZMAT- Metric Measurement Code (DG 190)
[132-05] HAZMAT - English Net Explosive Weight Code (DG 190)
[133-05] HAZMAT - Metric Net Explosive Weight Code (DG 190)

| | |
|---|---|
| 2C | Roentgen |
| | Unit of X-radiation or gamma radiation equal to the amount of radiation that produces in one cubic centimeter of dry air at 0 degrees Celsius and standard atmospheric pressure ionization of either sign equal to one electrostatic unit of charge |
| | [131-05] Roentgen |
| 2Q | Kilobecquerel |
| | Unit of radiation |
| | [131-05] Kilobecquerel |
| 2Y | Milliroentgen |
| | Unit of radiation |
| | [131-05] Milliroentgen |
| 40 | Milliliter per Second |
| | Represents rate of absorbency |
| | [131-05] Milliliter per Second |
| 4N | Megabecquerel |
| | Unit of radiation |
| | [131-05] Megabecquerel |
| GA | Gallon |
| | [132-05] Gallon |
| GM | Grams per Sq. Meter |
| | [131-05] Grams per Sq. Meter |
| GR | Gram |
| | [131-05] Gram |
| H4 | Hectoliter |
| | Metric measure for 100 liters |
| | [131-05] Hectoliter |

| | | | | | |
|---|---|---|---|---|---|
| | | | HG | Hectogram | |
| | | | | [131-05] Hectogram | |
| | | | KG | Kilogram | |
| | | | | [131-05] Kilogram<br>[133-05] Kilogram | |
| | | | KR | Kiloroentgen | |
| | | | | Measure of radiation | |
| | | | | [131-05] Kiloroentgen | |
| | | | LT | Liter | |
| | | | | [131-05] Liter<br>[133-05] Liter | |
| | | | MC | Microgram | |
| | | | | [131-05] Microgram | |
| | | | ME | Milligram | |
| | | | | [131-05] Milligram | |
| | | | MG | Metric Gross Ton | |
| | | | | [131-05] Metric Gross Ton | |
| | | | ML | Milliliter | |
| | | | | [131-05] Milliliter | |
| | | | MP | Metric Ton | |
| | | | | [131-05] Metric Ton | |
| | | | PN | Pounds Net | |
| | | | | [132-05] Pounds Net | |
| | | | R2 | Becquerel | |
| | | | | Unit of radiation equal to 3.7 * 10/10 of a curie | |
| | | | | [131-05] Becquerel | |
| | | | RO | Round | |
| | | | | [130-05] Round | |
| **>>** | **LFH06** | **380** | **Quantity** | **X** | **R 1/15** |
| | | | Numeric value of quantity | | |
| | | | [130-06] HAZMAT- Round Count (DG 190)<br>[131-06] HAZMAT- Metric Quantity (DG 190)<br>Use the unit of measure codes for quantity or volume of non bulk shipments. This will typically be grams, cubic meters, or a unit of measure other than pieces. If the weight of the hazardous material is measured in other than the above listed Weight Units of Measure, refer to X12 Standard, DE 355. Use LH101 to express type of packaging.<br>ELEMENT CONDITION: Required if LFH05 is used. At least one LH106/LH107 or LFH05/LFH06 are required to pass the HAZMAT unit of measure and quantity. If an English and Metric unit of measure are available, both are required.<br>[132-06] HAZMAT - English Net Explosive Weight (DG 190)<br>[133-06] HAZMAT - Metric Net Explosive Weight (DG 190) | | |
| **X** | **LFH07** | **380** | **Quantity** | **O** | **R 1/15** |
| | | | Numeric value of quantity | | |

**Segment:** **LHR** **Hazardous Material Identifying Reference Numbers**
**Position:** 210
**Loop:** LH1 Optional
**Level:** Detail
**Usage:** Optional
**Max Use:** 10
**Purpose:** To transmit specific hazardous material reference numbers
**Syntax Notes:**
**Semantic Notes:**
**Comments:**
**Notes:** [134] LHR SEGMENT - DOT Explosive Approval Number (EX-number) (DG 190)
SEGMENT CONDITION: Required for shipment of explosive materials.
[135] LHR SEGMENT - Competent Authority Approval Number (DG 190)
SEGMENT CONDITION: Use if competent authority approval is required.
[136] LHR SEGMENT - DOT Exemption Number (DG 190)
SEGMENT CONDITION: Required when DOT exemption applies.
[137] LHR SEGMENT - Int'l Maritime Dangerous Goods Code (DG 190)
SEGMENT CONDITION: Use this segment if the hazardous shipment requires international regulation.
[138] LHR SEGMENT - DoDIC (DG 190)
SEGMENT CONDITION: Required for TC-AIMS II moves only.
[139] LHR SEGMENT - National Stock Number (NSN) (DG 190)
SEGMENT CONDITION: Required for TC-AIMS II moves only.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **LHR01** | **128** | **Reference Identification Qualifier** | | **M ID 2/3** |
| | | | Code qualifying the Reference Identification | | |
| | | | [134-01] HAZMAT - DOT Explosive Approval Number Qualifier (DG 190)<br>[135-01] Competent Authority Approval Number Qualifier (DG 190)<br>[136-01] DOT Exemption (DOT-E) Number Qualifier (DG 190)<br>[137-01] HAZMAT - Int'l Maritime Dangerous Goods Code (IMDG) Qualifier (DG 190)<br>[138-01] DoDIC Qualifier (DG 190)<br>Use '1I' for shipments by other than ocean. Use '6P' only for ocean shipments.<br>[139-01] HAZMAT - NSN Qualifier (DG 190) | | |
| | | | 1I | Department of Defense Identification Code (DoDIC) | |
| | | | | Qualifies a code that uniquely identifies a type of explosive or ammunition | |
| | | | | [138-01] Department of Defense Identification Code (DoDIC) | |
| | | | 6P | Group Number | |
| | | | | [138-01] Group Number | |
| | | | HA | Competent Authority | |
| | | | | [135-01] Competent Authority | |
| | | | HD | Department of Transportation Hazardous Number | |
| | | | | [134-01] Department of Transportation Hazardous Number | |
| | | | HE | Hazardous Exemption Number | |
| | | | | [136-01] Hazardous Exemption Number | |
| | | | IM | Intergovernmental Maritime Organization (IMO) Number | |
| | | | | [137-01] Intergovernmental Maritime Organization (IMO) Number | |
| | | | NS | National Stock Number | |
| | | | | [139-01] National Stock Number | |

| | | | | | |
|---|---|---|---|---|---|
| **M** | **LHR02** | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier<br>[134-02] HAZMAT - DOT Explosive Approval Number (EX-number) (DG 190)<br>Product codes and national stock numbers must be traceable to the specific EX-number (also referred to as hazard classification approval number) assigned by the Associate Administrator for Hazardous Materials Safety.<br>SOURCE: 49 CFR 172.320 and 173.56(b)<br>[135-02] Competent Authority Approval Number (DG 190)<br>Issued by Department of Transportation, approval number is CA-YYNNNNA, where Y = year, N = approval number within that year, and A is an optional alphanumeric designator. Only applicable when DoD requires an exception to the international performance oriented packaging rules.<br>[136-02] DOT Exemption (DOT-E) Number (DG 190)<br>Identifies the DOT Exemption to any of the 49 CFR Regulations for hazardous materials. Normally used only for domestic shipments. Can be used for international shipments but is not guaranteed to be accepted by international customs.<br>SOURCE: 49 CFR 172.2(a)<br>[137-02] HAZMAT - Int'l Maritime Dangerous Goods Code (IMDG) (DG 190)<br>[138-02] DoDIC (DG 190)<br>[139-02] HAZMAT - NSN (DG 190) | **M** | **AN 1/30** |
| **X** | **LHR03** | **373** | **Date**<br>Date expressed as CCYYMMDD | **O** | **DT 8/8** |

**Segment:** **FA1** **Type of Financial Accounting Data**
**Position:** 230
**Loop:** FA1 Optional
**Level:** Detail
**Usage:** Optional
**Max Use:** 1
**Purpose:** To specify the organization controlling the content of the accounting citation, and the purpose associated with the accounting citation
**Syntax Notes:**
**Semantic Notes:**
**1** FA101 Identifies the organization controlling the assignment of financial accounting information.
**2** FA102 Identifies the purpose of the accounting allowance or charge information.
**Comments:**
**Notes:** [140] FA1 SEGMENT - TCN Appropriation Number Loop (DG 190)
If there is only one Transportation Accounting Code or Line of Accounting at the header level, then it applies to all shipments in that container. If there is TAC/LOA at the header level, and some of the line items in the container have their own TACs/LOAs and some do not, use the TACs/LOAs at the line item level for those specific shipments and default to the header TAC/LOA for all others. If there is an invalid TAC/LOA on a single line item we will use the header TAC/LOA. If there is only one Transportation Accounting Code or Line of Accounting at the header level, then it applies to all shipments in that container. If there is TAC/LOA at the header level, and some of the line items in the container have their own TACs/LOAs and some do not, use the TACs/LOAs at the line item level for those specific shipments and default to the header TAC/LOA for all others. If there is an invalid TAC/LOA on a single line item we will use the header TAC/LOA. LOOP CONDITION: Use for appropriation assignment. Carriers do not need to receive appropriation data. This segment begins the appropriation number loop. It calls for both FA1 and FA2 segments. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes | |
|---|---|---|---|---|---|---|
| **M** | **FA101** | **559** | **Agency Qualifier Code** | | **M** | **ID 2/2** |
| | | | Code identifying the agency assigning the code values | | | |
| | | | [140-01] Agency Qualifier Code (DG 190)<br>Code identifying the agency assigning the code values. | | | |
| | | | DF | Department of Defense (DoD) | | |
| | | | | [140-01] Department of Defense (DoD) | | |
| | | | DN | Department of the Navy | | |
| | | | | [140-01] Department of the Navy | | |
| | | | DX | United States Marine Corps | | |
| | | | | [140-01] United States Marine Corps | | |
| | | | DY | Department of Air Force | | |
| | | | | [140-01] Department of Air Force | | |
| | | | DZ | Department of Army | | |
| | | | | [140-01] Department of Army | | |
| | | | HS | Department of Health and Human Services | | |
| | | | | [140-01] Department of Health and Human Services<br>Use 'HS' to denote Department of Homeland Security/US Coast Guard (DHS/USCG) | | |
| **X** | **FA102** | **1300** | **Service, Promotion, Allowance, or Charge Code** | | **O** | **ID 4/4** |
| | | | Code identifying the service, promotion, allowance, or charge | | | |
| **X** | **FA103** | **248** | **Allowance or Charge Indicator** | | **O** | **ID 1/1** |
| | | | Code which indicates an allowance or charge for the service specified<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | | |

**Segment:** **FA2** **Accounting Data**
**Position:** 240
**Loop:** FA1 Optional
**Level:** Detail
**Usage:** Mandatory
**Max Use:** >1
**Purpose:** To specify the detailed accounting data
**Syntax Notes:**
**Semantic Notes:**
**Comments:**
**Notes:** [141] FA2 SEGMENT - TCN Appropriation Elements (DG 190)
SEGMENT CONDITION: This segment is MANDATORY if and only if the FA1 SEGMENT - TCN Appropriation Number Loop segment is used. Otherwise, this segment may not be used.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| **M** | **FA201** | **1196** | **Breakdown Structure Detail Code** | | **M ID 2/2** |
| | | | Codes identifying details relating to a reporting breakdown structure tree | | |
| | | | [141-01] Breakdown Structure Detail Code (DG 190) | | |
| | | | 84 | Total Direct Costs | |
| | | | | [141-01] Total Direct Costs | |
| | | | A1 | Department Indicator | |
| | | | | [141-01] Department Indicator | |
| | | | A2 | Transfer from Department | |
| | | | | [141-01] Transfer from Department | |
| | | | A3 | Fiscal Year Indicator | |
| | | | | [141-01] Fiscal Year Indicator | |
| | | | A4 | Basic Symbol Number | |
| | | | | [141-01] Basic Symbol Number | |
| | | | A5 | Sub-class | |
| | | | | [141-01] Sub-class | |
| | | | A6 | Sub-Account Symbol | |
| | | | | [141-01] Sub-Account Symbol | |
| | | | AT | Air Force Transportation Account Code (ATAC) | |
| | | | | [141-01] Air Force Transportation Account Code (ATAC) | |
| | | | B1 | Budget Activity Number | |
| | | | | [141-01] Budget Activity Number | |
| | | | B2 | Budget Sub-activity Number | |
| | | | | [141-01] Budget Sub-activity Number | |
| | | | B3 | Budget Program Activity | |
| | | | | [141-01] Budget Program Activity | |
| | | | C1 | Program Element | |
| | | | | [141-01] Program Element | |
| | | | C2 | Project Task or Budget Subline | |
| | | | | [141-01] Project Task or Budget Subline | |
| | | | D1 | Defense Agency Allocation Recipient | |
| | | | | [141-01] Defense Agency Allocation Recipient | |
| | | | D4 | Component Sub-allocation Recipient | |
| | | | | [141-01] Component Sub-allocation Recipient | |

| | | | | | |
|---|---|---|---|---|---|
| | | | D6 | Sub-allotment Recipient | |
| | | | | [141-01] Sub-allotment Recipient | |
| | | | D7 | Work Center Recipient | |
| | | | | [141-01] Work Center Recipient | |
| | | | E1 | Major Reimbursement Source Code | |
| | | | | [141-01] Major Reimbursement Source Code | |
| | | | E2 | Detail Reimbursement Source Code | |
| | | | | [141-01] Detail Reimbursement Source Code | |
| | | | E3 | Customer Indicator | |
| | | | | [141-01] Customer Indicator | |
| | | | F1 | Object Class | |
| | | | | [141-01] Object Class | |
| | | | F3 | Government or Public Sector Identifier | |
| | | | | [141-01] Government or Public Sector Identifier | |
| | | | G2 | Special Interest Code or Special Program Cost Code | |
| | | | | [141-01] Special Interest Code or Special Program Cost Code | |
| | | | I1 | Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC) | |
| | | | | [141-01] Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)<br>Use 'I1' to denote Abbreviated Department of Defense (DoD) Budget and Accounting Classification | |
| | | | J1 | Document or Record Reference Number | |
| | | | | [141-01] Document or Record Reference Number | |
| | | | K6 | Accounting Classification Reference Code | |
| | | | | [141-01] Accounting Classification Reference Code | |
| | | | L1 | Accounting Installation Number | |
| | | | | [141-01] Accounting Installation Number | |
| | | | M1 | Local Installation Data | |
| | | | | [141-01] Local Installation Data | |
| | | | MD | Movement Designator Code (MDC) | |
| | | | | [141-01] Movement Designator Code (MDC) | |
| | | | N1 | Transaction Type | |
| | | | | [141-01] Transaction Type | |
| | | | P5 | Foreign Military Sales (FMS) Line Item Number | |
| | | | | [141-01] Foreign Military Sales (FMS) Line Item Number | |
| | | | TA | Transportation Account Code (TAC) | |
| | | | | [141-01] Transportation Account Code (TAC) | |
| | | | ZZ | Mutually Defined | |
| | | | | [141-01] Mutually Defined | |
| **M** | **FA202** | **1195** | **Financial Information Code** | **M** | **AN 1/80** |
| | | | Code representing financial accounting information | | |
| | | | [141-02] Financial Information Code (DG 190)<br>When FA201 contains code value '84', FA202 should be formatted as a dollar amount including a decimal character and two positions after the decimal, representing cents even if the value is a whole dollar amount. | | |

**Segment:** **L10** **Weight**
**Position:** 250
**Loop:** FA1 Optional
**Level:** Detail
**Usage:** Optional
**Max Use:** 1
**Purpose:** To transmit weight information
**Syntax Notes:**
**Semantic Notes:**
**Comments:**
**Notes:** [142] L10 SEGMENT - TCN Weight (DG 190)
SEGMENT CONDITION: Use when appropriation weight applies.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes | |
|---|---|---|---|---|---|---|
| **M** | **L1001** | **81** | **Weight** | | **M** | **R 1/10** |
| | | | Numeric value of weight | | | |
| | | | [142-01] Weight (DG 190)<br>Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. | | | |
| **M** | **L1002** | **187** | **Weight Qualifier** | | **M** | **ID 1/2** |
| | | | Code defining the type of weight | | | |
| | | | [142-02] Weight Qualifier (DG 190) | | | |
| | | | N | Actual Net Weight | | |
| | | | | [142-02] Actual Net Weight | | |
| >> | **L1003** | **188** | **Weight Unit Code** | | **O** | **ID 1/1** |
| | | | Code specifying the weight unit | | | |
| | | | [142-03] Weight Unit Code (DG 190) | | | |
| | | | E | Metric Ton | | |
| | | | | [142-03] Metric Ton | | |
| | | | G | Grams | | |
| | | | | [142-03] Grams | | |
| | | | K | Kilograms | | |
| | | | | [142-03] Kilograms | | |
| | | | L | Pounds | | |
| | | | | [142-03] Pounds | | |
| | | | M | Measurement Ton | | |
| | | | | [142-03] Measurement Ton | | |
| | | | O | Ounces | | |
| | | | | [142-03] Ounces | | |
| | | | S | Short Ton | | |
| | | | | [142-03] Short Ton | | |
| | | | T | Long Ton | | |
| | | | | [142-03] Long Ton | | |

**Segment:** **NM1** **Individual or Organizational Name**
**Position:** 260
**Loop:** NM1 Optional
**Level:** Detail
**Usage:** Optional
**Max Use:** 1
**Purpose:** To supply the full name of an individual or organizational entity
**Syntax Notes:** **1** If either NM108 or NM109 is present, then the other is required.
**2** If NM111 is present, then NM110 is required.
**Semantic Notes:** **1** NM102 qualifies NM103.
**Comments:** **1** NM110 and NM111 further define the type of entity in NM101.
**Notes:** [143] NM1 SEGMENT - Personal Property Owner (DG 190)
LOOP CONDITION: Used only for OCEAN CARGO SHIPPING INSTRUCTIONS.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **NM101** | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>[143-01] Personal Property Owner Qualifier (DG 190)<br>OW Owner of Property or Unit<br>[143-01] Owner of Property or Unit | **M** | **ID 2/3** |
| **M** | **NM102** | **1065** | **Entity Type Qualifier**<br>Code qualifying the type of entity<br>[143-02] Personal Property Owner Qualifier (DG 190)<br>1 Person<br>[143-02] Person | **M** | **ID 1/1** |
| >> | **NM103** | **1035** | **Name Last or Organization Name**<br>Individual last name or organizational name<br>[143-03] Personal Property Owner's Last Name (DG 190) | **O** | **AN 1/35** |
| >> | **NM104** | **1036** | **Name First**<br>Individual first name<br>[143-04] Personal Property Owner's First Name/Initial (DG 190) | **O** | **AN 1/25** |
| **X** | **NM105** | **1037** | **Name Middle**<br>Individual middle name or initial | **O** | **AN 1/25** |
| **X** | **NM106** | **1038** | **Name Prefix**<br>Prefix to individual name | **O** | **AN 1/10** |
| **X** | **NM107** | **1039** | **Name Suffix**<br>Suffix to individual name | **O** | **AN 1/10** |
| **X** | **NM108** | **66** | **Identification Code Qualifier**<br>Code designating the system/method of code structure used for Identification Code (67)<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 1/2** |
| **X** | **NM109** | **67** | **Identification Code**<br>Code identifying a party or other code | **X** | **AN 2/80** |
| **X** | **NM110** | **706** | **Entity Relationship Code**<br>Code describing entity relationship<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 2/2** |
| **X** | **NM111** | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/3** |

**Segment:** **N1** **Name**
**Position:** 290
**Loop:** N1 Optional
**Level:** Detail
**Usage:** Optional
**Max Use:** 1
**Purpose:** To identify a party by type of organization, name, and code
**Syntax Notes:**
**1** At least one of N102 or N103 is required.
**2** If either N103 or N104 is present, then the other is required.
**Semantic Notes:**
**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.
**Notes:** [144] N1 SEGMENT - Mark For Addressee Information (MA) (DG 73)
LOOP CONDITION: Use this address loop when en-route consolidation activity or any other organization or system that handles the bill of lading data needs to know the ultimate destination of the shipment. This is needed particularly for OCONUS shipments where the bill of lading moves the freight to a port to change modes to air freight or ocean container.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes | |
|---|---|---|---|---|---|---|
| **M** | **N101** | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>[144-01] Name Qualifier (MA) (DG 73)<br>This qualifier identifies name and address information of the 'Mark For' ultimate consignee. | | **M** | **ID 2/3** |
| | | | MA | Party for whom Item is Ultimately Intended<br>[144-01] Party for whom Item is Ultimately Intended | | |
| | **N102** | **93** | **Name**<br>Free-form name<br>[144-02] Name (MA) (DG 73) | | **X** | **AN 1/60** |
| >> | **N103** | **66** | **Identification Code Qualifier**<br>Code designating the system/method of code structure used for Identification Code (67)<br>[144-03] DoDAAC/CAGE/MAPAC Qualifier (MA) (DG 73)<br>Do not use CAGE code for ocean shipments. | | **X** | **ID 1/2** |
| | | | 10 | Department of Defense Activity Address Code (DODAAC)<br>[144-03] Department of Defense Activity Address Code (DODAAC) | | |
| | | | 33 | Commercial and Government Entity (CAGE)<br>[144-03] Commercial and Government Entity (CAGE) | | |
| | | | A2 | Military Assistance Program Address Code (MAPAC)<br>Contained in the Military Assistance Program Address Directory (MAPAD); represents the location of an entity<br>[144-03] Military Assistance Program Address Code (MAPAC) | | |
| >> | **N104** | **67** | **Identification Code**<br>Code identifying a party or other code<br>[144-04] DoDAAC/CAGE/MAPAC (MA) (DG 73)<br>If DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the destination is required. | | **X** | **AN 2/80** |

| | | | | | |
|---|---|---|---|---|---|
| **X** | **N105** | **706** | **Entity Relationship Code**<br>Code describing entity relationship<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |
| **X** | **N106** | **98** | **Entity Identifier Code**<br>Code identifying an organizational entity, a physical location, property or an individual<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/3** |

**Segment:** **N2** **Additional Name Information**
**Position:** 300
**Loop:** N1 Optional
**Level:** Detail
**Usage:** Optional
**Max Use:** 2
**Purpose:** To specify additional names or those longer than 35 characters in length
**Syntax Notes:**
**Semantic Notes:**
**Comments:**
**Notes:** [145] N2 SEGMENT - Mark For Addressee Information (MA) (DG 73)
SEGMENT CONDITION: Use when mark for addressee applies.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **N201** | **93** | **Name** | **M** | **AN 1/60** |
| | | | Free-form name | | |
| | | | [145-01] Additional Name (MA) (DG 73) | | |
| **X** | **N202** | **93** | **Name** | **O** | **AN 1/60** |
| | | | Free-form name | | |

**Segment:** **N3** **Address Information**
**Position:** 310
**Loop:** N1 Optional
**Level:** Detail
**Usage:** Optional
**Max Use:** 2
**Purpose:** To specify the location of the named party
**Syntax Notes:**
**Semantic Notes:**
**Comments:**
**Notes:** [146] N3 SEGMENT - Mark For Addressee Information (MA) (DG 73)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **N301** | **166** | **Address Information**<br>Address information<br>[146-01] Street (MA) (DG 73) | **M** | **AN 1/55** |
| | **N302** | **166** | **Address Information**<br>Address information<br>[146-02] Additional Addressing Information (DG 73) | **O** | **AN 1/55** |

**Segment:** **N4** **Geographic Location**
**Position:** 320
**Loop:** N1 Optional
**Level:** Detail
**Usage:** Optional
**Max Use:** 1
**Purpose:** To specify the geographic place of the named party
**Syntax Notes:** **1** If N406 is present, then N405 is required.
**Semantic Notes:**
**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.
**Notes:** [147] N4 SEGMENT - Mark For Addressee Information (MA) (DG 73)
SEGMENT CONDITION: Use when mark for addressee applies.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| | **N401** | **19** | **City Name**<br>Free-form text for city name<br>[147-01] City (MA) (DG 73) | **O** | **AN 2/30** |
| | **N402** | **156** | **State or Province Code**<br>Code (Standard State/Province) as defined by appropriate government agency<br>[147-02] State or Province Code (MA) (DG 73)<br>SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center | **O** | **ID 2/2** |
| | **N403** | **116** | **Postal Code**<br>Code defining international postal zone code excluding punctuation and blanks (zip code for United States)<br>[147-03] ZIP Code/Postal Code (MA) (DG 73)<br>SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents | **O** | **ID 3/15** |
| | **N404** | **26** | **Country Code**<br>Code identifying the country<br>[147-04] Country Code (MA) (DG 73)<br>ELEMENT CONDITION: If mark for addressee is OCONUS, country code is required.<br>SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute. | **O** | **ID 2/3** |
| **X** | **N405** | **309** | **Location Qualifier**<br>Code identifying type of location<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 1/2** |
| **X** | **N406** | **310** | **Location Identifier**<br>Code which identifies a specific location | **O** | **AN 1/30** |

**Segment:** **L3** **Total Weight and Charges**
**Position:** 010
**Loop:**
**Level:** Summary
**Usage:** Optional (Must Use)
**Max Use:** 1
**Purpose:** To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items
**Syntax Notes:**
**1** If either L301 or L302 is present, then the other is required.
**2** If either L303 or L304 is present, then the other is required.
**3** If either L309 or L310 is present, then the other is required.
**4** If L312 is present, then L301 is required.
**5** If either L314 or L315 is present, then the other is required.
**Semantic Notes:**
**1** L305 is the total charges.
**Comments:**
**Notes:** [194] L3 SEGMENT - Bill of Lading Totals (DG 990)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| X | L301 | 81 | **Weight**<br>Numeric value of weight | X | R 1/10 |
| X | L302 | 187 | **Weight Qualifier**<br>Code defining the type of weight<br>Refer to 004010 Data Element Dictionary for acceptable code values. | X | ID 1/2 |
| X | L303 | 60 | **Freight Rate**<br>Rate that applies to the specific commodity | X | R 1/9 |
| X | L304 | 122 | **Rate/Value Qualifier**<br>Code qualifying how to extend charges or interpret value<br>Refer to 004010 Data Element Dictionary for acceptable code values. | X | ID 2/2 |
| >> | L305 | 58 | **Charge**<br>For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified<br>[194-05] Total Charge for Shipment (DG 990)<br>Estimated or calculated charge for entire shipment. | O | N2 1/12 |
| X | L306 | 191 | **Advances**<br>Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified | O | N2 1/9 |
| X | L307 | 117 | **Prepaid Amount**<br>Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified | O | N2 1/9 |
| X | L308 | 150 | **Special Charge or Allowance Code**<br>Code identifying type of special charge or allowance<br>Refer to 004010 Data Element Dictionary for acceptable code values. | O | ID 3/3 |
| | L309 | 183 | **Volume**<br>Value of volumetric measure<br>[194-09] Total Cube of Shipment (DG 990) | X | R 1/8 |

| | | | | | |
|---|---|---|---|---|---|
| | **L310** | **184** | **Volume Unit Qualifier**<br>Code identifying the volume unit<br>[194-10] Total Cube of Shipment Qualifier (DG 990)<br>ELEMENT CONDITION: This qualifier must appear if total cube of shipment (L309) is used. | **X** | **ID 1/1** |
| | | | E — Cubic Feet<br>[194-10] Cubic Feet<br>F — 100 Board Feet<br>[194-10] 100 Board Feet<br>G — Gallons<br>[194-10] Gallons<br>H — Hundreds of Measurement Tons<br>[194-10] Hundreds of Measurement Tons<br>S — Measurement Ton<br>[194-10] Measurement Ton<br>V — Liter<br>[194-10] Liter<br>X — Cubic Meters<br>[194-10] Cubic Meters | | |
| | **L311** | **80** | **Lading Quantity**<br>Number of units (pieces) of the lading commodity<br>[194-11] Number of Carloads/Truckloads Used (DG 990)<br>The total number of pieces of equipment used for the shipment. This quantity may be used to rate the cost of a shipment. | **O** | **N0 1/7** |
| **X** | **L312** | **188** | **Weight Unit Code**<br>Code specifying the weight unit<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/1** |
| **X** | **L313** | **171** | **Tariff Number**<br>Standard tariff number for the tariff which governs the rates applied to the commodity item(s) | **O** | **AN 1/7** |
| **X** | **L314** | **74** | **Declared Value**<br>Monetary assigned value expressed in the standard monetary denomination for the currency specified | **X** | **N2 2/12** |
| **X** | **L315** | **122** | **Rate/Value Qualifier**<br>Code qualifying how to extend charges or interpret value<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **X** | **ID 2/2** |

**Segment:** **SE** **Transaction Set Trailer**
**Position:** 020
**Loop:**
**Level:** Summary
**Usage:** Mandatory
**Max Use:** 1
**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)
**Syntax Notes:**
**Semantic Notes:**
**Comments:** **1** SE is the last segment of each transaction set.
**Notes:** [195] SE SEGMENT - Bill of Lading Trailer (DG 10)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| **M** | **SE01** | **96** | **Number of Included Segments**<br>Total number of segments included in a transaction set including ST and SE segments<br>[195-01] Number of Included Segments (DG 10)<br>Total segments in this transaction set including the ST and SE segments. | **M N0 1/10** |
| **M** | **SE02** | **329** | **Transaction Set Control Number**<br>Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set<br>[195-02] Transaction Set Control Number (DG 10)<br>This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set. | **M AN 4/9** |

# Section 4.0

# IC ELEMENT MATRIX

## OVERVIEW

In order to implement an EDI transaction set, trading partners need to identify the application data elements they plan to exchange, identify where they plan to carry the data within the structure of the EDI transaction (a task commonly called mapping), identify any additional X12 data such as qualifier codes, and publish that information in an implementation convention (IC). This section contains an IC element matrix that lists that information.

## PURPOSE

Using the IC element matrix will expedite mapping of an application database into a commercial EDI translation package. This IC element matrix applies to a specific application database, which is described in the Application Notes section below.

## HOW TO READ THE IC ELEMENT MATRIX

To read the matrix, trading partners need to understand matrix record types, two categories of matrix information, the matrix layout, and the sort order of the matrix.

### *Record Types*

The matrix contains two types of records: segment header records and element records.

- Segment header records begin the description of a segment. Each segment header record starts the description of a discrete occurrence of an X12 segment. The element records (see below) that follow a segment header record cannot be co-mingled with elements from other segments, including those segments with matching IDs.
- Element records identify an individual data element that occurs within a segment. Each element satisfies either an application requirement or X12 standard syntax. If one element in a segment is passed, all elements in the segment need to be passed in accordance with the IC requirement designator.

### *Two Categories of Record Information*

The matrix contains two categories of information: IC application information and *ASC* X12 information.

- IC application information describes attributes outside the structure and syntax of the *ASC* X12 standard.
- *ASC* X12 information is attached to each IC element. That information is extracted directly from the X12 standard dictionary and enables programmers to map the IC element into the standards.

*Matrix Layout*

The IC element matrix lists information in sixteen columns.

- IC Index Number (Index) enables designers and programmers to quickly cite a record in the matrix.
- IC Data Group Number (DG) is a number assigned by the IC developers. That number identifies an IC element with a group of elements that form a database table within the application data model. In order to quickly reference a table, Defense transportation developers label database tables with a Data Group number. For example, a “Bill To Address” may belong to the “PURCHASE ORDER” parent table with GRP = 10. A “Stop-off Delivery Address” may belong to the “ITEM DELIVERY” child table with GRP = 60.
- IC Data Element Name (Data Name) is a label for each data element using terminology common to the business environment. The IC element matrix identifies an element as a “Route Order Number Qualifier.” This is more concise than using the generic X12 label of “Qualifier.” A segment header record identifies the segment ID in this field.
- IC Notes & Codes (DoD Information Notes and Codes) can contain application notes about various segment and element conditions or requirements. This column may also list both X12 standard codes and DoD unique codes. If the list is larger than 20 codes, it may appear in the section that contains Code Lists.
- IC Attributes (Attributes). When part of a segment header record, this column indicates the usage of the segment. When part of an element record, this column indicates the usage of the element within the segment, if the segment is used. Attributes may differ from those in the *ASC* X12 standard. For example, if trading partners expect to exchange a purchase order number that has a specific length and structure, those attributes are described here. Attributes include requirement designator, data element type, minimum length and maximum length.
- X12 Transaction Set Table Number (Tabl).
- X12 Segment Position (Pos).
- X12 Requirement Designator (Req Des) . This column applies only to Segment Header type matrix records.
- X12 Maximum Usage (Max Use). This column applies only to Segment Header type matrix records.
- X12 Loop Repeat (Lp Rpt) indicates the number of times a loop may be used. This column applies only to Segment Header type matrix records.
- X12 Loop Level (Lp Lv). Loops may be nested within other loops. This column indicates the nesting level for each loop and applies only to Segment Header type matrix records.
- X12 Loop ID (Lp ID). This column applies only to Segment Header type matrix records.
- X12 Segment Reference Designator (Ref Des) . This column applies only to Element type matrix records.
- X12 Simple or Composite Data Element Number (DE#). This column applies only to Element type matrix records.

- X12 Simple Data Element Attributes (Attributes). Attributes listed include the data element requirement designator, data element type, minimum length and maximum length. This column applies only to Element type matrix records.
- X12 Composite Data Element Attributes ((Composite) Attributes) . Attributes listed include the simple data element number, requirement designator, data element type, minimum length and maximum length. This column applies only to Element type matrix records.

### *Sort Order of the Matrix*

The matrix presents IC elements in an order that enables programmers to generate application-to-translator interface files (also known as user-defined files or UDFs) that are syntactically correct to *ASC* X12 standards. IC elements are grouped under segment header records. When exchanging an IC element, the programmer needs to generate the entire segment under which the element is listed. Likewise, when exchanging a segment, the programmer needs to generate the entire loop structure to which the segment belongs.

## APPLICATION NOTES

The IC element matrix in this section maps data requirements for the bill of lading into the *ASC* X12 Transaction Set 858 Shipment Information. These requirements were developed by transportation activities involved in the DoD electronic data interchange effort.

This IC includes all changes approved by the DTEB Committee and described in DTEB data maintenance (DM) items up to the publication date of the IC.

| DoD INFORMATION | | | | | | X12 SEGMENT INFORMATION | | | | | | | X12 ELEMENT INFORMATION | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Index | DG | Data Name<br>Notes and Codes | DoD Recommended Attributes | | | Tabl | Pos | Req Des | Max Use | Lp Rpt | Lp Lvl | Lp ID | Ref Des | DE # | Attributes | | |
| 1 | 10 | **ST SEGMENT - Bill of Lading Header** | M | | | 1 | 010 | M | 1 | | | | | | | | |
| 1-01 | 10 | Transaction Set Identifier Code<br>858 - Shipment Information | M | ID | 3/3 | 1 | 010 | M | 1 | | | | ST01 | 143 | M | ID | 3/3 |
| | | | | | | | 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). | | | | | | | | | | |
| 1-02 | 10 | Transaction Set Control Number<br>The application and structure of the control number must be agreed upon between trading partners. (For example, some applications use all nine digits where the first five might indicate a group control number and the last four represent the sequence of the transaction set within the functional group. Also, the entire nine digit field may simply represent the sequence of the transaction set generated by a trading partner.) | M | AN | 4/9 | 1 | 010 | M | 1 | | | | ST02 | 329 | M | AN | 4/9 |
| 2 | 10 | **BX SEGMENT - Bill of Lading Number** | M | | | 1 | 030 | M | 1 | | | | | | | | |
| 2-01 | 10 | Transaction Set Purpose Code<br>[T_0 53/53]<br>00 - Original<br>01 - Cancellation<br>04 - Change<br>14 - Advance Notification<br>20 - Final Transmission | M | ID | 2/2 | 1 | 030 | M | 1 | | | | BX01 | 353 | M | ID | 2/2 |
| 2-02 | 10 | Transportation Method Code (Mode Code)<br>[T_0 27/27]<br>See Section 6 for list of data values. | M | ID | 1/2 | 1 | 030 | M | 1 | | | | BX02 | 91 | M | ID | 1/2 |
| 2-03 | 10 | Method of Payment<br>Use only 'TP' for ocean shipments only.<br>CC - Collect<br>CD - Collect on Delivery<br>PP - Prepaid (by Seller)<br>TP - Third Party Pay | M | ID | 2/2 | 1 | 030 | M | 1 | | | | BX03 | 146 | M | ID | 2/2 |
| 2-04 | 10 | Bill of Lading/Shipment ID Number<br>Carry either original or most recent bill of lading number or shipment identification number here. For ocean shipments, use TCN as shipment identifier. Do not use any punctuation or special characters.<br>[T_2 30/46] | M | AN | 8/30 | 1 | 030 | M | 1 | | | | BX04 | 145 | O | AN | 1/30 |

| DoD INFORMATION | | | | | | X12 SEGMENT INFORMATION | | | | | | | X12 ELEMENT INFORMATION | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Index | DG | Data Name<br>Notes and Codes | DoD Recommended Attributes | | | Tabl | Pos | Req Des | Max Use | Lp Rpt | Lp Lvl | Lp ID | Ref Des | DE # | Attributes | | |
| 2-05 | 10 | Transportation Company Tendered To (SCAC)<br>Use SCAC of origin carrier. SCAC should be validated against the National Motor Freight Traffic Association (NMFTA) SCAC reference file. For ocean shipments, enter 'NONE' if carrier is unknown. This entry represents the booked carrier for ocean shipments, not the carrier that actually transports the shipment. For Defense Transportation Coordination Initiative (DTCI) or Defense Freight Transportation Services (DFTS) shipments, enter the DTCI or DFTS coordinator's SCAC.<br><br>SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc. | M | ID | 2/4 | 1 | 030 | M | 1 | | | | BX05 | 140 | O | ID | 2/4 |
| 2-07 | 10 | Bill Purpose/Application Type Code<br>A - Sub for Assembly<br><br>*Use 'A' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Break-Bulk.*<br><br>B - Bill of Lading for Individual Shipment<br><br>C - Consolidated Shipment<br><br>*Use 'C' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Consolidation Header (Stand-Alone).*<br><br>E - Empty Equipment Billing (Non-Revenue)<br><br>*Use 'E' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Container (Skeleton SI).*<br><br>F - Stop-off Shipment<br><br>*Use 'F' to denote Negotiated Rates for Foreign Military Sales Bills of Lading.*<br><br>G - Switch Waybill<br><br>*Use 'G' to denote Negotiated Rates for Tailored Transportation Contract Traffic Bill of Lading.*<br><br>M - Master Bill of Lading for Assembly, Distribution and Volume Shipment<br><br>*Use 'M' to denote Commercial Rates for Foreign Military Sales Bills of Lading.*<br><br>Z - Commercial Zone Pick-up<br><br>*Use 'Z' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Container..* | M | ID | 1/1 | 1 | 030 | M | 1 | | | | BX07 | 147 | O | ID | 1/1 |
| 2-09 | 10 | Vehicle Fully Loaded (Capacity Load Status)<br>ELEMENT CONDITION: Include if shipment is tendered as truckload.<br><br>F - Full Capacity | C | ID | 1/1 | 1 | 030 | M | 1 | | | | BX09 | 195 | O | ID | 1/1 |

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| 2-10 | 10 | Defense Transportation Tracking System Reporting Qualifier<br>Use of this element results in immediate Military Surface Deployment and Distribution Command (SDDC) processing for DTTS shipments.<br>ELEMENT CONDITION: Include if the Defense Transportation Tracking System (DTTS) is required.<br>R - Automatic Status Report Requested | C | ID | 1/1 | 1 | 030 | M | 1 | | | | BX10 | 160 | O | ID | 1/1 |
| 2-14 | 10 | Application Type<br>Use the following migration code value to denote the DoD definition as indicated:<br>ELEMENT CONDITION: Use when broker.<br>BF - [Migration Code] Broker Files | C | ID | 2/2 | 1 | 030 | M | 1 | | | | BX14 | 346 | O | ID | 2/2 |
| 3 | 10 | **BNX SEGMENT - Shipment Weight and Billing**<br>SEGMENT CONDITION: Use when weight and billing data are required. | C | | | 1 | 040 | O | 1 | | | | | | | | |
| 3-01 | 10 | Shipment Weight Code<br>[T_0 15/15]<br>A - Shipper's Weight Agreement | M | ID | 1/1 | 1 | 040 | O | 1 | | | | BNX01 | 460 | O | ID | 1/1 |
| 3-03 | 10 | Billing Code<br>S - Single Shipment Billing | M | ID | 1/1 | 1 | 040 | O | 1 | | | | BNX03 | 11 | O | ID | 1/1 |
| 4 | 10 | **N9 SEGMENT - Transaction Content ID**<br>SEGMENT CONDITION: Required for all shipments except by ocean. | C | | | 1 | 060 | O | 30 | | | | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |
| 4-01 | 10 | Transaction Content ID Qualifier<br>FI - File Identifier | M | ID | 2/2 | 1 | 060 | O | 30 | | | | N901 | 128 | M | ID | 2/3 |

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| 4-02 | 10 | Transaction Content ID<br>This data element identifies the application contents of the 858. The following DoD-unique codes should be used by all trading partners to identify the data content in the transaction set:<br><br>CI - Cost Information<br><br>CR - Cost Request<br><br>DC - Doubtful Claim<br><br>SC - Shipment and Cost Information<br><br>SI - Shipment Information<br><br>SM - Supplemental Claim<br><br>SP - Supplemental Bill | M | AN | 2/2 | 1 | 060 | O | 30 | | | | N902 | 127 | C | AN | 1/30 |
| 5 | 10 | **N9 SEGMENT - Route Order/Release No/Emergency Routings**<br>SEGMENT CONDITION: Include this segment when moving a Tailored Transportation Contract (TTC) Traffic or SDDC routed shipment. | C | | | 1 | 060 | O | 30 | | | | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |
| 5-01 | 10 | Route Order/Release No/Emergency Routings Qualifier<br>RG - Route Order Number-Domestic<br><br>RH - Route Order Number-Export<br><br>RJ - Route Order Number-Emergency | M | ID | 2/2 | 1 | 060 | O | 30 | | | | N901 | 128 | M | ID | 2/3 |
| 5-02 | 10 | Route Order/Release No/Emergency Routings | M | AN | 10/10 | 1 | 060 | O | 30 | | | | N902 | 127 | C | AN | 1/30 |
| 6 | 10 | **N9 SEGMENT - Carrier Way/Freight Bill Number**<br>SEGMENT CONDITION: Include this segment if the freight bill number is available. | C | | | 1 | 060 | O | 30 | | | | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |
| 6-01 | 10 | Carrier Way/Freight Bill Number Qualifier<br>CN - Carrier's Reference Number (PRO/Invoice) | M | ID | 2/2 | 1 | 060 | O | 30 | | | | N901 | 128 | M | ID | 2/3 |
| 6-02 | 10 | Carrier Way/Freight Bill Number | M | AN | 1/30 | 1 | 060 | O | 30 | | | | N902 | 127 | C | AN | 1/30 |
| 6-04 | 10 | Carrier Way/Freight Bill Date | C | DT | 8/8 | 1 | 060 | O | 30 | | | | N904 | 373 | O | DT | 8/8 |
| 7 | 10 | **N9 SEGMENT - Authority Number (Contract/PO)**<br>SEGMENT CONDITION: Use this segment if an authority number applies to the shipment. | C | | | 1 | 060 | O | 30 | | | | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |

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| 7-01 | 10 | Authority Number (Contract/PO) Qualifier<br>CT - Contract Number<br>PO - Purchase Order Number | M | ID | 2/2 | 1 | 060 | O | 30 | | | | N901 | 128 | M | ID | 2/3 |
| 7-02 | 10 | Authority Number (Contract/PO)<br>Movements under contracts need to reflect the subcontract number for ocean shipments. | M | AN | 1/30 | 1 | 060 | O | 30 | | | | N902 | 127 | C | AN | 1/30 |
| 7-04 | 10 | Authority Number (Contract/PO) Date | C | DT | 8/8 | 1 | 060 | O | 30 | | | | N904 | 373 | O | DT | 8/8 |
| 8 | 10 | **N9 SEGMENT - Service Agency Code**<br>SEGMENT CONDITION: Use for Tailored Transportation Contract (TTC) Traffic only; not used for DLA. GFM will not cost DLA TTC shipments. | C | | | 1 | 060<br>At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | O | 30 | | | | | | | | |
| 8-01 | 10 | Service Agency Code Qualifier<br>SV - Service Charge Number | M | ID | 2/2 | 1 | 060 | O | 30 | | | | N901 | 128 | M | ID | 2/3 |
| 8-02 | 10 | Service Agency Code<br>A - Army<br>B - Defense Mapping Agency<br>F - Air Force<br>M - Marine Corps<br>N - Navy<br>P - Coast Guard<br>S - Defense Logistics Agency<br>U - GSA<br>W - Army and AF Exchange<br>X - Multi-Service<br>Y - Non DoD - except Coast Guard | M | AN | 1/1 | 1 | 060 | O | 30 | | | | N902 | 127 | C | AN | 1/30 |
| 9 | 10 | **N9 SEGMENT - Container TCN**<br>SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise. | C | | | 1 | 060<br>At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | O | 30 | | | | | | | | |
| 9-01 | 10 | TCN for Each Container Qualifier<br>TG - Transportation Control Number (TCN) | M | ID | 2/2 | 1 | 060 | O | 30 | | | | N901 | 128 | M | ID | 2/3 |
| 9-02 | 10 | TCN for Each Container | M | AN | 17/17 | 1 | 060 | O | 30 | | | | N902 | 127 | C | AN | 1/30 |

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| 10 | 10 | **N9 SEGMENT - Container Transportation Tracking Number (TTN)**<br>SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS when moving unit move<br>cargo and Transportation Tracking Number is applicable. | C | | | 1 | 060 | O | 30 | | | | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |
| 10-01 | 10 | Container Transportation Tracking Number (TTN) Qualifier<br>18 - Plan Number<br>*Use '18' to denote Container Transportation Tracking Number (TTN) Qualifier.* | M | ID | 2/2 | 1 | 060 | O | 30 | | | | N901 | 128 | M | ID | 2/3 |
| 10-02 | 10 | Container Transportation Tracking Number (TTN) | M | AN | 17/17 | 1 | 060 | O | 30 | | | | N902 | 127 | C | AN | 1/30 |
| 11 | 10 | **N9 SEGMENT - Carrier Booking Number**<br>SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS - Direct Booking. Not<br>used otherwise. | C | | | 1 | 060 | O | 30 | | | | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |
| 11-01 | 10 | Carrier Booking Number Qualifier<br>BN - Booking Number | M | ID | 2/2 | 1 | 060 | O | 30 | | | | N901 | 128 | M | ID | 2/3 |
| 11-02 | 10 | Carrier Booking Number | M | AN | 17/17 | 1 | 060 | O | 30 | | | | N902 | 127 | C | AN | 1/30 |
| 12 | 10 | **N9 SEGMENT - Trade Route Number**<br>SEGMENT CONDITION: Required for ocean shipments. Identifies the trade route a shipment was booked/moved on. | C | | | 1 | 060 | O | 30 | | | | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |
| 12-01 | 10 | Trade Route Number Qualifier<br>RU - Route Number | M | ID | 2/2 | 1 | 060 | O | 30 | | | | N901 | 128 | M | ID | 2/3 |
| 12-02 | 10 | Trade Route Number | M | AN | 1/4 | 1 | 060 | O | 30 | | | | N902 | 127 | C | AN | 1/30 |
| 13 | 10 | **N9 SEGMENT - Vessel Name**<br>SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS - Direct Booking. Not<br>used otherwise. | C | | | 1 | 060 | O | 30 | | | | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |
| 13-01 | 10 | Vessel Name Qualifier<br>ABS - Vessel Name | M | ID | 3/3 | 1 | 060 | O | 30 | | | | N901 | 128 | M | ID | 2/3 |
| 13-02 | 10 | Vessel Name<br>Shippers should take great care in spelling vessel name correctly. | M | AN | 1/30 | 1 | 060 | O | 30 | | | | N902 | 127 | C | AN | 1/30 |

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| 14 | 10 | **N9 SEGMENT - Carrier Voyage Number**<br>SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. | C | | | 1 | 060 | O | 30 | | | | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |
| 14-01 | 10 | Carrier Voyage Number Qualifier<br>V3 - Voyage Number | M | ID | 2/2 | 1 | 060 | O | 30 | | | | N901 | 128 | M | ID | 2/3 |
| 14-02 | 10 | Carrier Voyage Number | M | AN | 1/10 | 1 | 060 | O | 30 | | | | N902 | 127 | C | AN | 1/30 |
| 15 | 10 | **N9 SEGMENT - 3rd Party Logistics Coordinator Internal Order Number**<br>SEGMENT CONDITION: Use for shipments with an internal order number assigned by a 3rd Party Logistics (DTCI or DFTS) coordinator's transportation management system and provided in the EDI Transportation Service Response transaction to the shipper. | C | | | 1 | 060 | O | 30 | | | | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |
| 15-01 | 10 | 3rd Party Logistics (DTCI or DFTS) Internal Order Number Qualifier<br>CB - Combined Shipment<br>*Use 'CB' to denote DTCI Coordinator Internal Order Number.*<br>RE - Release Number<br>*Use 'RE' to denote Defense Freight Transportation Services (DFTS) Internal Order Number.* | M | ID | 2/2 | 1 | 060 | O | 30 | | | | N901 | 128 | M | ID | 2/3 |
| 15-02 | 10 | 3rd Party Logistics (DTCI or DFTS) Internal Order Number<br>Enter the internal order number assigned by the 3rd Party Logistics (DTCI or DFTS) coordinator's transportation management system and provided in the EDI Transportation Service Response transaction to the shipper. | M | AN | 1/30 | 1 | 060 | O | 30 | | | | N902 | 127 | C | AN | 1/30 |
| 16 | 10 | **Y7 SEGMENT - Transportation Priority Code**<br>SEGMENT CONDITION: Use this segment if Military Standard Requisitioning and Issue Procedures (MILSTRIP) apply. | C | | | 1 | 080 | O | 1 | | | | | | | | |
| | | | | | | | If either Y702 or Y703 is present, then the other is required. | | | | | | | | | | |
| 16-01 | 10 | Transportation Priority Code<br>1 - Level 1<br>2 - Level 2<br>3 - Level 3 | M | N0 | 1/1 | 1 | 080 | O | 1 | | | | Y701 | 467 | O | N0 | 1/1 |
| 17 | 10 | **C3 SEGMENT - Currency Code**<br>SEGMENT CONDITION: This segment indicates the currency used for the bill of lading. The segment is not required and will not be used when currency is in U.S. Dollars. | C | | | 1 | 090 | O | 1 | | | | | | | | |
| | | | | | | | Currency is implied by the code for the country in whose currency the monetary amounts are specified. | | | | | | | | | | |

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| 17-01 | 10 | Currency Code<br>SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute. | M | ID | 3/3 | 1 | 090<br>C301 is the billing currency. | O | 1 | | | | C301 | 100 | M | ID | 3/3 |
| 18 | 10 | **G62 SEGMENT - Bill of Lading/Shipping Instruction Prepared Date** | M | | | 1 | 110<br>At least one of G6201 or G6203 is required.<br>If either G6201 or G6202 is present, then the other is required.<br>If either G6203 or G6204 is present, then the other is required. | O | 10 | | | | | | | | |
| 18-01 | 10 | Date Bill of Lading/Shipping Instruction Prepared Date Qualifier<br>76 - Bill of Lading | M | ID | 2/2 | 1 | 110 | O | 10 | | | | G6201 | 432 | C | ID | 2/2 |
| 18-02 | 10 | Date Bill of Lading/Shipping Instruction Prepared Date<br>The date on which the bill of lading was printed at the origin installation. | M | DT | 8/8 | 1 | 110 | O | 10 | | | | G6202 | 373 | C | DT | 8/8 |
| 19 | 10 | **G62 SEGMENT - Desired/Required Delivery** | M | | | 1 | 110<br>At least one of G6201 or G6203 is required.<br>If either G6201 or G6202 is present, then the other is required.<br>If either G6203 or G6204 is present, then the other is required. | O | 10 | | | | | | | | |
| 19-01 | 10 | Desired/Required Delivery Date Qualifier<br>This qualifier must appear if desired/required delivery date is used. Under applicable ocean contracts, the Contract Delivery Date will take precedence over the Required Delivery Date. Code '67' used only for 3rd Party Logistics (Defense Transportation Coordination Initiative (DTCI) or Defense Freight Transportation Services (DFTS)) shipments.<br>54 - Deliver No Later Than Date<br>*Use '54' to denote Required Delivery Date.*<br>67 - Delivered By This Date<br>*Use '67' to denote Mandatory Delivery Date.*<br>68 - Requested Delivery Date<br>*Use '68' to denote Desired Delivery Date.* | M | ID | 2/2 | 1 | 110 | O | 10 | | | | G6201 | 432 | C | ID | 2/2 |
| 19-02 | 10 | Desired/Required Delivery Date | M | DT | 8/8 | 1 | 110 | O | 10 | | | | G6202 | 373 | C | DT | 8/8 |
| 20 | 10 | **G62 SEGMENT - Carrier's Pickup**<br>SEGMENT CONDITION: Not required for ocean shipments. Required for all other shipment information transactions except advanced shipment notification. | C | | | 1 | 110<br>At least one of G6201 or G6203 is required.<br>If either G6201 or G6202 is present, then the other is required.<br>If either G6203 or G6204 is present, then the other is required. | O | 10 | | | | | | | | |

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| 20-01 | 10 | Carrier's Pickup Date Qualifier<br>SDDC will accept only code value '86' from shippers.<br><br>86 - Actual Pickup Date | M | ID | 2/2 | 1 | 110 | O | 10 | | | | G6201 | 432 | C | ID | 2/2 |
| 20-02 | 10 | Carrier's Pickup Date | M | DT | 8/8 | 1 | 110 | O | 10 | | | | G6202 | 373 | C | DT | 8/8 |
| 20-03 | 10 | Carrier's Pickup Time Qualifier<br>ELEMENT CONDITION: This element is required for Defense Transportation Tracking System (DTTS) shipments.<br><br>8 - Actual Pickup Time | C | ID | 1/1 | 1 | 110 | O | 10 | | | | G6203 | 176 | C | ID | 1/2 |
| 20-04 | 10 | Carrier's Pickup Time<br>Use format HHMM.<br><br>ELEMENT CONDITION: This element is required for DTTS shipments. | C | TM | 4/8 | 1 | 110 | O | 10 | | | | G6204 | 337 | C | TM | 4/8 |
| 20-05 | 10 | Time Zone Indicator<br>If DTTS shipment, this segment occurs twice; once with code value 'LT' for local time and once with 'GM' for Greenwich time. If shipment is other than DTTS, use 'LT' local time only. Repeat G6201 and G6202 for both occurrences of the segment.<br><br>SOURCE: ISO 8601 available from American National Standards Institute<br><br>GM - Greenwich Mean Time<br><br>LT - Local Time | M | ID | 2/2 | 1 | 110 | O | 10 | | | | G6205 | 623 | O | ID | 2/2 |
| 21 | 10 | **G62 SEGMENT - Date Shipped to POE**<br>SEGMENT CONDITION: Use only for ocean shipments. | C | | | 1 | 110 | O | 10 | | | | | | | | |
| | | | | | | | At least one of G6201 or G6203 is required.<br>If either G6201 or G6202 is present, then the other is required.<br>If either G6203 or G6204 is present, then the other is required. | | | | | | | | | | |
| 21-01 | 10 | Date Shipped to POE Qualifier<br>10 - Requested Ship Date/Pick-up Date | M | ID | 2/2 | 1 | 110 | O | 10 | | | | G6201 | 432 | C | ID | 2/2 |
| 21-02 | 10 | Date Shipped to POE | M | DT | 8/8 | 1 | 110 | O | 10 | | | | G6202 | 373 | C | DT | 8/8 |
| 22 | 10 | **G62 SEGMENT - Adjusted Date Shipped to POE**<br>SEGMENT CONDITION: Use only for ocean shipment. | C | | | 1 | 110 | O | 10 | | | | | | | | |
| | | | | | | | At least one of G6201 or G6203 is required.<br>If either G6201 or G6202 is present, then the other is required.<br>If either G6203 or G6204 is present, then the other is required. | | | | | | | | | | |
| 22-01 | 10 | Adjusted Date Shipped to POE Qualifier<br>BB - Transaction Control Date | M | ID | 2/2 | 1 | 110 | O | 10 | | | | G6201 | 432 | C | ID | 2/2 |

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| 22-02 | 10 | Adjusted Date Shipped to POE | C | DT | 8/8 | 1 | 110 | O | 10 | | | | G6202 | 373 | C | DT | 8/8 |
| 22-03 | 10 | Adjusted Time Shipped to POE Qualifier<br>W - Effective Time | M | ID | 1/1 | 1 | 110 | O | 10 | | | | G6203 | 176 | C | ID | 1/2 |
| 22-04 | 10 | Adjusted Time Shipped to POE<br>Use format HHMMSS. | M | TM | 6/6 | 1 | 110 | O | 10 | | | | G6204 | 337 | C | TM | 4/8 |
| 22-05 | 10 | Adjusted Time Code<br>SOURCE: ISO 8601 available from American National Standards Institute<br>LT - Local Time | M | ID | 2/2 | 1 | 110 | O | 10 | | | | G6205 | 623 | O | ID | 2/2 |
| 23 | 10 | **G62 SEGMENT - Delivery**<br>SEGMENT CONDITION: Use segment when date of delivery is available. | C | | | 1 | 110 | O | 10 | | | | | | | | |
| | | | | | | | At least one of G6201 or G6203 is required.<br>If either G6201 or G6202 is present, then the other is required.<br>If either G6203 or G6204 is present, then the other is required. | | | | | | | | | | |
| 23-01 | 10 | Date of Delivery Qualifier<br>35 - Delivered on This Date | M | ID | 2/2 | 1 | 110 | O | 10 | | | | G6201 | 432 | C | ID | 2/2 |
| 23-02 | 10 | Date of Delivery | M | DT | 8/8 | 1 | 110 | O | 10 | | | | G6202 | 373 | C | DT | 8/8 |
| 24 | 10 | **G62 SEGMENT - Sailing Date**<br>SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise. | C | | | 1 | 110 | O | 10 | | | | | | | | |
| | | | | | | | At least one of G6201 or G6203 is required.<br>If either G6201 or G6202 is present, then the other is required.<br>If either G6203 or G6204 is present, then the other is required. | | | | | | | | | | |
| 24-01 | 10 | Sailing Date Qualifier<br>05 - Sailing Date | M | ID | 2/2 | 1 | 110 | O | 10 | | | | G6201 | 432 | C | ID | 2/2 |
| 24-02 | 10 | Sailing Date | M | DT | 8/8 | 1 | 110 | O | 10 | | | | G6202 | 373 | C | DT | 8/8 |
| 25 | 10 | **PER SEGMENT - Shipment Contact**<br>SEGMENT CONDITION: Use segment when telephone contact may be required with person receiving shipment. | C | | | 1 | 120 | O | 3 | | | | | | | | |
| | | | | | | | If either PER03 or PER04 is present, then the other is required.<br>If either PER05 or PER06 is present, then the other is required.<br>If either PER07 or PER08 is present, then the other is required. | | | | | | | | | | |
| 25-01 | 10 | Shipment Contact Qualifier<br>IC - Information Contact | M | ID | 2/2 | 1 | 120 | O | 3 | | | | PER01 | 366 | M | ID | 2/2 |

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| 25-03 | 10 | Shipment Contact Qualifier<br>AU - Defense Switched Network<br>FT - Federal Telecommunications System (FTS)<br>TE - Telephone | M | ID | 2/2 | 1 | 120 | O | 3 | | | | PER03 | 365 | C | ID | 2/2 |
| 25-04 | 10 | Shipment Contact Telephone No.<br>Telephone number of shipment POC. | M | AN | 7/21 | 1 | 120 | O | 3 | | | | PER04 | 364 | C | AN | 1/80 |
| 26 | 10 | **PER SEGMENT - Emergency Response Telephone No.**<br>SEGMENT CONDITION: Use segment when shipment requires an emergency telephone contact. | C | | | 1 | 120 | O | 3 | | | | | | | | |
| | | | | | | | If either PER03 or PER04 is present, then the other is required.<br>If either PER05 or PER06 is present, then the other is required.<br>If either PER07 or PER08 is present, then the other is required. | | | | | | | | | | |
| 26-01 | 10 | Emergency Response Telephone No. Function Code<br>EF - Emergency Contact-Military Traffic Management Command (MTMC)<br>*Use 'EF' to denote Emergency Contact - Military Surface Deployment and Distribution Command (SDDC).* | M | ID | 2/2 | 1 | 120 | O | 3 | | | | PER01 | 366 | M | ID | 2/2 |
| 26-03 | 10 | Emergency Response Telephone No. Qualifier<br>AU - Defense Switched Network<br>IT - International Telephone<br>TE - Telephone | M | ID | 2/2 | 1 | 120 | O | 3 | | | | PER03 | 365 | C | ID | 2/2 |
| 26-04 | 10 | Emergency Response Telephone No. | M | AN | 7/21 | 1 | 120 | O | 3 | | | | PER04 | 364 | C | AN | 1/80 |
| 27 | 72 | **F9 SEGMENT - Originating Railroad Station**<br>SEGMENT CONDITION: Use to designate origination railroad station as applicable. | C | | | 1 | 140 | O | 1 | | | | | | | | |
| 27-02 | 72 | Originating Railroad Station<br>Name of railroad station where shipment originated. | M | AN | 2/19 | 1 | 140 | O | 1 | | | | F902 | 19 | M | AN | 2/30 |
| | | | | | | | F902 is the origin station for movement. | | | | | | | | | | |
| 27-03 | 72 | State of Originating Railroad Station<br>SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center | M | ID | 2/2 | 1 | 140 | O | 1 | | | | F903 | 156 | M | ID | 2/2 |
| 27-08 | 72 | SPLC of Originating Railroad Station<br>SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc. | C | ID | 9/9 | 1 | 140 | O | 1 | | | | F908 | 154 | O | ID | 6/9 |
| | | | | | | | F908 is the Standard Point Location Code (SPLC) for the city named in the F902. | | | | | | | | | | |

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| 28 | 71 | **D9 SEGMENT - Destination Railroad Station**<br>SEGMENT CONDITION: Use to designate destination railroad station as applicable. | C | | | 1 | 150 | O | 1 | | | | | | | | |
| 28-02 | 71 | Destination Railroad Station<br>Name of railroad station where shipment will terminate. | M | AN | 2/19 | 1 | 150<br>D902 is the destination station of movement. | O | 1 | | | | D902 | 19 | M | AN | 2/30 |
| 28-03 | 71 | State of Destination Railroad Station<br>SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center | M | ID | 2/2 | 1 | 150 | O | 1 | | | | D903 | 156 | M | ID | 2/2 |
| 28-08 | 71 | SPLC of Destination Railroad Station<br>SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc. | C | ID | 9/9 | 1 | 150<br>D908 is the Standard Point Location Code (SPLC) for the city named in the D902. | O | 1 | | | | D908 | 154 | O | ID | 6/9 |
| 29 | 10 | **R2 SEGMENT - Interline or 3PL Carrier**<br>SEGMENT CONDITION: For non-3PL coordinated shipments (Defense Transportation Coordination Initiative (DTCI) or Defense Freight Transportation Services (DFTS)) use this segment if interline carriers are used during shipment. However, shipper systems are not required to provide Interline Carrier Routing information for rail movements. For 3PL shipments (DTCI or DFTS), use this segment to identify the carrier to whom the 3PL coordinator has assigned the shipment. | C | | | 1 | 170<br>If R208 is present, then R207 is required. | O | 13 | | | | | | | | |
| 29-01 | 10 | Via (Routing) SCAC<br>For non-3PL coordinated shipments (DTCI or DFTS) enter SCAC of interline and destination carrier(s) in sequence after origin carrier. The origin carrier should not be included in an interline list. For 3PL coordinated shipments (DTCI or DFTS), enter the SCAC of the carrier to whom the 3PL coordinator assigned the shipment.<br><br>SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc. | M | ID | 2/4 | 1 | 170 | O | 13 | | | | R201 | 140 | M | ID | 2/4 |

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| 29-02 | 10 | Via (Routing) SCAC Qualifier<br>Use 'B' for 3PL shipments (DTCI or DFTS) to indicate the carrier the 3PL coordinator assigned to the shipment.<br>1 - 1st Carrier after Origin Carrier<br>2 - 2nd Carrier after Origin Carrier<br>3 - 3rd Carrier after Origin Carrier<br>4 - 4th Carrier after Origin Carrier<br>5 - 5th Carrier after Origin Carrier<br>A - Origin Carrier, Agent's Routing (Rail)<br>B - Origin/Delivery Carrier (Any Mode)<br>D - DELY (Delivery Switch Carrier)<br>H - Haulage Rights Carrier and Junction<br>I - Origin Switch Carrier<br>M - Haulage Movement Carrier and Junction<br>O - Origin Carrier (Air, Motor, or Ocean)<br>R - Origin Carrier, Rule 11 Shipment<br>S - Origin Carrier, Shipper's Routing (Rail)<br>V - Intermediate Switch Carrier<br>Z - Mutually Defined | M | ID | 1/1 | 1 | 170 | O | 13 | | | | R202 | 133 | M | ID | 1/2 |
| 29-03 | 10 | Via (Routing) Location | C | AN | 2/30 | 1 | 170 | O | 13 | | | | R203 | 19 | O | AN | 2/30 |
| | | | | | | | R203 is the station or city name at which carriers interchange shipments. | | | | | | | | | | |
| 29-04 | 10 | Via (Routing) SPLC<br>SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc. | C | ID | 9/9 | 1 | 170 | O | 13 | | | | R204 | 154 | O | ID | 6/9 |
| 30 | 10 | **R4 SEGMENT - POE**<br>SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise. | C | | | 1 | 180 | O | 5 | | | | | | | | |
| | | | | | | | If either R402 or R403 is present, then the other is required.<br>R4 is required for each port to be identified. | | | | | | | | | | |
| 30-01 | 10 | Port or Terminal Function Code<br>L - Port of Loading (Operational) | M | ID | 1/1 | 1 | 180 | O | 5 | | | | R401 | 115 | M | ID | 1/1 |

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| 30-02 | 10 | Location Qualifier<br>SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)<br><br>IM - Military Standard Movement Procedures (MILSTAMP) | M | ID | 2/2 | 1 | 180 | O | 5 | | | | R402 | 309 | C | ID | 1/2 |
| 30-03 | 10 | POE<br>[T_3 21/23] | C | AN | 3/3 | 1 | 180 | O | 5 | | | | R403 | 310 | C | AN | 1/30 |
| 31 | 10 | **R4 SEGMENT - POD**<br>SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise. | C | | | 1 | 180 | O | 5 | | | | | | | | |
| | | | | | | | If either R402 or R403 is present, then the other is required.<br><br>R4 is required for each port to be identified. | | | | | | | | | | |
| 31-01 | 10 | Port or Terminal Function Code<br>D - Port of Discharge (Operational) | M | ID | 1/1 | 1 | 180 | O | 5 | | | | R401 | 115 | M | ID | 1/1 |
| 31-02 | 10 | Location Qualifier<br>SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)<br><br>[T_0 20/20]<br><br>IM - Military Standard Movement Procedures (MILSTAMP) | M | ID | 2/2 | 1 | 180 | O | 5 | | | | R402 | 309 | C | ID | 1/2 |
| 31-03 | 10 | POD<br>[T_3 21/23] | C | AN | 3/3 | 1 | 180 | O | 5 | | | | R403 | 310 | C | AN | 1/30 |
| 32 | 10 | **H3 SEGMENT - Accessorial/Protective Service**<br>SEGMENT CONDITION: Use if shipper orders accessorial services from the carrier. Use also if the Defense Transportation Tracking System (DTTS) is required. | C | | | 1 | 200 | O | 20 | | | | | | | | |
| | | | | | | | Only one of H301 or H302 may be present. | | | | | | | | | | |
| 32-01 | 10 | Accessorial/Protective Service Ordered Identifier<br>Order accessorial services with this data element. To order accessorial services, the carrier industry requires the use of the H3 segment. This code also appears in the HL Accessorial/Protective Service (formerly LX 300) loop which is used to cost accessorial services. Do not use this element to order surveillance services; use the next occurrence of the H3 segment.<br><br>See Section 6.0 for valid code list.<br><br>SOURCE: Reference Section 6.0 of this IC beginning at page 6.14 for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.<br><br>Sample Values: 045, 495, 500, AAM, AAS | M | ID | 3/3 | 1 | 200 | O | 20 | | | | H301 | 152 | C | ID | 2/3 |

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| 33 | 10 | **H3 SEGMENT - Actual Surveillance Service and Requesting Party**<br>SEGMENT CONDITION: Use this segment when ordering surveillance services. | C | | | 1 | 200<br>Only one of H301 or H302 may be present. | O | 20 | | | | | | | | |
| 33-02 | 10 | Actual Surveillance Service and Requesting Party<br>Use this data element for requesting Surveillance Services only. See H301 for the applicable code values to enter in this data element. Do not use this data element to order accessorial services. Rather, use the H301 data element in a separate occurrence of the H3 segment for non-surveillance services. Provide the military service code to indicate the requesting party. Military service codes are: A = Army, N = Navy, F = Air Force, M = Marine Corps, P = Coast guard, and S = Defense Logistics Agency. Use a comma for the sub element delimiter between the actual service code and the requesting party. | M | AN | 5/5 | 1 | 200 | O | 20 | | | | H302 | 153 | C | AN | 2/30 |
| 34 | 10 | **E1 SEGMENT - Receiving Party For Empty Railcar**<br>LOOP CONDITION: Use when shipment employs an empty railcar. | C | | | 1 | 220<br>If either E102 or E103 is present, then the other is required. | O | 1 | 2 | 1 | E1 | | | | | |
| 34-01 | 10 | Name of Receiving Party For Empty Railcar<br>From the bill of lading continuation page. | M | AN | 2/30 | 1 | 220 | O | 1 | 2 | 1 | E1 | E101 | 459 | M | AN | 2/30 |
| 35 | 10 | **E4 SEGMENT - City for Receiving Empty Railcar**<br>SEGMENT CONDITION: Use when shipment employs an empty railcar. | C | | | 1 | 230 | O | 1 | 2 | 1 | E1 | | | | | |
| 35-01 | 10 | City for Receiving Empty Railcar<br>From the bill of lading continuation page. | M | AN | 2/19 | 1 | 230 | O | 1 | 2 | 1 | E1 | E401 | 19 | M | AN | 2/30 |
| 35-02 | 10 | State for Receiving Empty Railcar<br>From the bill of lading continuation page.<br>SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center | M | ID | 2/2 | 1 | 230 | O | 1 | 2 | 1 | E1 | E402 | 156 | M | ID | 2/2 |
| 36 | 10 | **E5 SEGMENT - Routing SCAC**<br>SEGMENT CONDITION: Use if SCAC is applicable. | C | | | 1 | 240 | O | 13 | 2 | 1 | E1 | | | | | |
| 36-01 | 10 | Routing SCAC for Empty Railcar<br>From the bill of lading continuation page.<br>SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc. | M | ID | 2/4 | 1 | 240 | O | 13 | 2 | 1 | E1 | E501 | 140 | M | ID | 2/4 |

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| 36-02 | 10 | Routing SCAC Sequence Number<br>From the bill of lading continuation page.<br>1 - 1st Carrier after Origin Carrier<br>2 - 2nd Carrier after Origin Carrier<br>3 - 3rd Carrier after Origin Carrier<br>4 - 4th Carrier after Origin Carrier<br>5 - 5th Carrier after Origin Carrier | M | ID | 1/1 | 1 | 240 | O | 13 | 2 | 1 | E1 | E502 | 133 | M | ID | 1/2 |
| 37 | 10 | **L7 SEGMENT - Tariff Distance**<br>SEGMENT CONDITION: Required for all modes except ocean. When used, there are different rules for CONUS and OCONUS mileages. This segment may be repeated up to two times (one for CONUS, the other for OCONUS). | C | | | 1 | 270 | O | 30 | | | | | | | | |
| 37-13 | 10 | Tariff Distance (mileage)<br>Mileage used for rating shipment. | M | N0 | 1/5 | 1 | 270 | O | 30 | | | | L713 | 294 | O | N0 | 1/5 |
| 37-14 | 10 | Distance (mileage) Qualifier<br>M - Miles (Actual)<br>*Use 'M' to denote CONUS mileage (used for ocean shipments only).*<br>T - Tariff Miles<br>*Use 'T' to denote OCONUS mileage.* | M | ID | 1/1 | 1 | 270 | O | 30 | | | | L714 | 295 | O | ID | 1/1 |
| 38 | 10 | **NTE SEGMENT - Change Notice**<br>SEGMENT CONDITION: Use when Change Notice applies. | C | | | 1 | 280 | O | 50 | | | | | | | | |
| | | | | | | | The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment. | | | | | | | | | | |
| 38-01 | 10 | Change Notice Qualifier<br>CHG - Change | M | ID | 3/3 | 1 | 280 | O | 50 | | | | NTE01 | 363 | O | ID | 3/3 |
| 38-02 | 10 | Change Notice<br>Identifies the kind of change (correction) to the bill of lading.<br>SOURCE: Reference Section 5.0 (DTEB Freight Bill of Lading Shipment Information Implementation Convention) for a description of the indicator code positions and an example of a populated indicator string. | M | AN | 8/8 | 1 | 280 | O | 50 | | | | NTE02 | 352 | M | AN | 1/80 |
| 39 | 10 | **NTE SEGMENT - Routing Instruction Note**<br>SEGMENT CONDITION: Use when routing instruction note applies. | C | | | 1 | 280 | O | 50 | | | | | | | | |
| | | | | | | | The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment. | | | | | | | | | | |

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| 39-01 | 10 | Routing Instruction Note (RIN) Code Qualifier<br>INT - General Order Instructions | M | ID | 3/3 | 1 | 280 | O | 50 | | | | NTE01 | 363 | O | ID | 3/3 |
| 39-02 | 10 | Routing Instruction Note (RIN) Code<br>SOURCE: USTRANSCOM J5-PT | M | AN | 3/3 | 1 | 280 | O | 50 | | | | NTE02 | 352 | M | AN | 1/80 |
| 40 | 10 | **NTE SEGMENT - Load Use**<br>SEGMENT CONDITION: Use for Defense Transportation Tracking System (DTTS) shipments. | C | | | 1 | 280 | O | 50 | | | | | | | | |
| | | | | | | | The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment. | | | | | | | | | | |
| 40-01 | 10 | Load Use Qualifier<br>LOI - Loading Instructions | M | ID | 3/3 | 1 | 280 | O | 50 | | | | NTE01 | 363 | O | ID | 3/3 |
| 40-02 | 10 | Load Use Instructions<br>EXCLUSIVE<br>NONEXCLUSIVE | M | AN | 9/12 | 1 | 280 | O | 50 | | | | NTE02 | 352 | M | AN | 1/80 |
| 41 | 10 | **NTE SEGMENT - DoD Classification Instructions**<br>SEGMENT CONDITION: Use for Defense Transportation Tracking System (DTTS) shipments. | C | | | 1 | 280 | O | 50 | | | | | | | | |
| | | | | | | | The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment. | | | | | | | | | | |
| 41-01 | 10 | DoD Classification Instructions Qualifier<br>Use to denote the highest security classification of an item within the shipment (i.e. the highest classified Controlled Inventory Item Code (CIIC) within the shipment).<br>CLR - Security Clearance Instructions<br>*Use 'CLR' to denote Emergency Contact - Military Surface Deployment and Distribution Command (SDDC).* | M | ID | 3/3 | 1 | 280 | O | 50 | | | | NTE01 | 363 | O | ID | 3/3 |
| 41-02 | 10 | DoD Classification Instructions<br>C - Confidential<br>S - Secret<br>U - Unclassified | M | AN | 1/1 | 1 | 280 | O | 50 | | | | NTE02 | 352 | M | AN | 1/80 |
| 42 | 10 | **NTE SEGMENT - Shipper Instructions**<br>SEGMENT CONDITION: Use when additional shipper instructions apply for ocean shipments. | C | | | 1 | 280 | O | 50 | | | | | | | | |
| | | | | | | | The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment. | | | | | | | | | | |
| 42-01 | 10 | Shipper Instructions Code<br>ADD - Additional Information<br>*Use 'ADD' to denote Shipper Instructions to the Consignee or to the Carrier.* | M | ID | 3/3 | 1 | 280 | O | 50 | | | | NTE01 | 363 | O | ID | 3/3 |

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| 42-02 | 10 | Shipper Instructions<br>Enter text information from the paper bill of lading. | M | AN | 1/80 | 1 | 280 | O | 50 | | | | NTE02 | 352 | M | AN | 1/80 |
| 43 | 60 | **N7 SEGMENT - Primary Equipment Furnished**<br>LOOP CONDITION: For ocean shipments, this information is needed to facilitate Customs clearance. If the bill of lading is for movements using motor, rail, or bulk fuel conveyances, DG 60 must appear.<br><br>Use as many N7 loops as required to identify equipment furnished. | C | | | 1 | 330 | O | 1 | 600 | 1 | N7 | | | | | |
| | | | | | | | If either N703 or N704 is present, then the other is required.<br>If either N705 or N716 is present, then the other is required.<br>If either N708 or N709 is present, then the other is required. | | | | | | | | | | |
| 43-01 | 60 | Primary Equipment Initials<br>For rail shipments, this data element is MANDATORY; it carries the equipment prefix used to describe railcars, trailers, and containers.<br>For motor and air shipments, if the value in N702 is other than 'NONE', or the equipment initials are not available, use the SCAC. Primary equipment is that equipment ordered by the shipper from the carrier. That equipment type ordered, or its equivalent, is furnished by the carrier and used in the transportation of the shipment. The shipper pays only for the primary equipment ordered.<br><br>For ocean shipments, use the initials on the container (never the carrier SCAC).<br><br>ELEMENT CONDITION: For rail shipments, this data element is MANDATORY; it carries the equipment prefix used to describe railcars, trailers, and containers.<br><br>SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association | C | AN | 1/4 | 1 | 330 | O | 1 | 600 | 1 | N7 | N701 | 206 | O | AN | 1/4 |
| | | | | | | | N701 is mandatory for rail transactions. | | | | | | | | | | |
| 43-02 | 60 | Primary Equipment Numbers<br>For rail shipments, this data element carries the serial number of the railcars, trailers, and containers. For motor and air shipments, if specific equipment is not ordered, carry the word 'NONE' in this data element.<br><br>[T_2 4/8] | M | AN | 1/10 | 1 | 330 | O | 1 | 600 | 1 | N7 | N702 | 207 | M | AN | 1/10 |
| 43-03 | 60 | Weight Capacity Primary Equipment Furnished<br>Express in 1000 LB units. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. | C | N0 | 3/3 | 1 | 330 | O | 1 | 600 | 1 | N7 | N703 | 81 | C | R | 1/10 |
| 43-04 | 60 | Weight Capacity Primary Equipment Furnished Qualifier<br>ELEMENT CONDITION: Required if N705 is used.<br><br>N - Actual Net Weight | C | ID | 1/1 | 1 | 330 | O | 1 | 600 | 1 | N7 | N704 | 187 | C | ID | 1/2 |
| 43-08 | 60 | Cube Capacity Primary Equipment Furnished<br>ELEMENT CONDITION: Include if the carrier provides equipment different than that which was ordered, or if reporting the internal cube of a container. | C | R | 1/8 | 1 | 330 | O | 1 | 600 | 1 | N7 | N708 | 183 | C | R | 1/8 |

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| 43-09 | 60 | Cube Capacity Primary Equipment Furnished Qualifier<br>ELEMENT CONDITION: This qualifier must appear if cube capacity carrier equipment furnished is used.<br><br>E - Cubic Feet | C | ID | 1/1 | 1 | 330 | O | 1 | 600 | 1 | N7 | N709 | 184 | C | ID | 1/1 |
| 43-13 | 60 | Temperature Control<br>Use to specify temperature setting for reefer shipments. For ocean shipments indicate minimum and maximum temperature. | C | AN | 3/6 | 1 | 330 | O | 1 | 600 | 1 | N7 | N713 | 319 | O | AN | 3/6 |
| 43-15 | 60 | Length Capacity Primary Equipment Furnished<br>ELEMENT CONDITION: Include if the carrier provides equipment different than that which was ordered. | C | N0 | 4/5 | 1 | 330 | O | 1 | 600 | 1 | N7 | N715 | 567 | O | N0 | 4/5 |
| 43-22 | 60 | Type of Equipment Furnished<br>SOURCE: Reference Section 6.0 of this IC for code values using applicable Air, Containers, Motor and TOFC (Dimensions are Outside Dimensions), Other Methods, Rail, and Water tables.<br><br>Sample Values: QQ, QU, SS, TT | M | ID | 4/4 | 1 | 330 | O | 1 | 600 | 1 | N7 | N722 | 24 | O | ID | 4/4 |
| 44 | 60 | **EM SEGMENT - Date Primary Equipment Furnished**<br>SEGMENT CONDITION: Use if equipment was furnished (for the current N7 loop). | C | | | 1 | 331 | O | 1 | 600 | 1 | N7 | | | | | |
| | | | | | | | If EM02 is present, then EM01 is required.<br>If EM04 is present, then EM03 is required. | | | | | | | | | | |
| 44-07 | 60 | Date<br>Enter date that equipment was furnished for the current N7 loop. | M | DT | 8/8 | 1 | 331 | O | 1 | 600 | 1 | N7 | EM07 | 373 | O | DT | 8/8 |
| | | | | | | | EM07 is the last inspection date for convention of safe container. | | | | | | | | | | |
| 45 | 60 | **NA SEGMENT - Secondary Equipment Furnished**<br>SEGMENT CONDITION: Required if use of secondary equipment applies. | C | | | 1 | 335 | O | 30 | 600 | 1 | N7 | | | | | |
| | | | | | | | If NA01 is present, then NA02 is required. | | | | | | | | | | |
| 45-03 | 60 | Secondary Equipment Initials<br>For rail Trailer on Flatcar/Container on Flatcar (TOFC/COFC) shipments, this data element carries the equipment initials of the flatcar used to convey the trailer/container (primary equipment ordered). When the shipper orders a trailer/container, the carrier supplies a flatcar to convey the trailer/container (primary equipment). The trailer is considered secondary equipment. The shipper incurs no cost for the use of secondary equipment.<br><br>SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association | M | AN | 1/4 | 1 | 335 | O | 30 | 600 | 1 | N7 | NA03 | 206 | M | AN | 1/4 |
| | | | | | | | NA03 contains the equipment initial of an associated shipment and is required by rail.<br>If unknown, use NONZ for van or NONU for container. | | | | | | | | | | |

| DoD INFORMATION | | | | | | X12 SEGMENT INFORMATION | | | | | | | X12 ELEMENT INFORMATION | | | | |
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| 45-04 | 60 | Secondary Equipment Numbers<br>For rail Trailer on Flatcar/Container on Flatcar (TOFC/COFC) shipments, this data element carries the equipment serial number of the flatcar used to convey the trailer/container (primary equipment ordered). When the shipper orders a trailer/container, the carrier supplies a flatcar to convey the trailer/container (primary equipment). The trailer is considered secondary equipment. The shipper incurs no cost for the use of secondary equipment. If a number is not available, send value 'xxxx' per shipper's instructions. | M | AN | 1/10 | 1 | 335<br>NA04 contains the equipment number of an associated shipment. | O | 30 | 600 | 1 | N7 | NA04 | 207 | M | AN | 1/10 |
| 45-05 | 60 | Cross Reference Type Code<br>ELEMENT CONDITION: Use to further identify secondary equipment when shipment is by rail.<br>F - Conveying Flat Car | C | ID | 1/1 | 1 | 335 | O | 30 | 600 | 1 | N7 | NA05 | 231 | O | ID | 1/1 |
| 46 | 60 | **M7 SEGMENT - Seals**<br>SEGMENT CONDITION: Required if seals are applied to the primary equipment. | C | | | 1 | 340 | O | 5 | 600 | 1 | N7 | | | | | |
| 46-01 | 60 | Seal Number<br>Additional seal numbers should be carried in M702, M703, and M704. | M | AN | 2/15 | 1 | 340 | O | 5 | 600 | 1 | N7 | M701 | 225 | M | AN | 2/15 |
| 46-02 | 60 | Additional Seal Number | C | AN | 2/15 | 1 | 340 | O | 5 | 600 | 1 | N7 | M702 | 225 | O | AN | 2/15 |
| 46-03 | 60 | Additional Seal Number | C | AN | 2/15 | 1 | 340 | O | 5 | 600 | 1 | N7 | M703 | 225 | O | AN | 2/15 |
| 46-04 | 60 | Additional Seal Number | C | AN | 2/15 | 1 | 340 | O | 5 | 600 | 1 | N7 | M704 | 225 | O | AN | 2/15 |
| 46-05 | 60 | Seal Numbers Applied By Qualifier<br>CA - Carrier<br>SH - Shipper | M | ID | 2/2 | 1 | 340<br>M705 indicates the name of the organization which applied the seal(s). | O | 5 | 600 | 1 | N7 | M705 | 98 | O | ID | 2/3 |
| 47 | 60 | **N5 SEGMENT - Primary Equipment Ordered**<br>SEGMENT CONDITION: Required if primary equipment was ordered. | C | | | 1 | 350<br>If either N507 or N508 is present, then the other is required. | O | 1 | 600 | 1 | N7 | | | | | |
| 47-01 | 60 | Length Capacity Primary Equipment Ordered<br>Format is FFFII where 8000 is 80 ft. | C | N0 | 4/5 | 1 | 350 | O | 1 | 600 | 1 | N7 | N501 | 567 | O | N0 | 4/5 |
| 47-02 | 60 | Weight Capacity Primary Equipment Ordered | C | N0 | 2/3 | 1 | 350 | O | 1 | 600 | 1 | N7 | N502 | 233 | O | N0 | 2/3 |
| 47-03 | 60 | Cubic Capacity Primary Equipment Ordered | C | N0 | 2/4 | 1 | 350 | O | 1 | 600 | 1 | N7 | N503 | 203 | O | N0 | 2/4 |

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| 47-04 | 60 | Type of Equipment Ordered<br>SOURCE: Reference Section 6.0 of this IC for code values using applicable Air, Containers, Motor and TOFC (Dimensions are Outside Dimensions), Other Methods, Rail, and Water tables.<br>Sample Values: QQ, QU, SS, TT | M | ID | 4/4 | 1 | 350 | O | 1 | 600 | 1 | N7 | N504 | 301 | O | ID | 1/4 |
| 48 | 60 | **REF SEGMENT - Tractor Number**<br>SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required. | C | | | 1 | 360 | O | 5 | 600 | 1 | N7 | | | | | |
| | | | | | | | At least one of REF02 or REF03 is required. | | | | | | | | | | |
| 48-01 | 60 | Tractor Number Qualifier<br>EQ - Equipment Number | M | ID | 2/2 | 1 | 360 | O | 5 | 600 | 1 | N7 | REF01 | 128 | M | ID | 2/3 |
| 48-02 | 60 | Tractor Number<br>The tractor number carried in this data element is the power unit for the trailer described in the N7 segment of the same equipment loop. This data element is required only for tracking shipments monitored by DTTS. | M | AN | 1/10 | 1 | 360 | O | 5 | 600 | 1 | N7 | REF02 | 127 | C | AN | 1/30 |
| 49 | 70 | **N1 SEGMENT - Transportation Company Tendered To (CA)**<br>LOOP CONDITION: DG 70 is required if the Defense Transportation Tracking System (DTTS) is required. | C | | | 1 | 390 | O | 1 | 12 | 1 | N1 | | | | | |
| | | | | | | | At least one of N102 or N103 is required.<br>If either N103 or N104 is present, then the other is required. | | | | | | | | | | |
| 49-01 | 70 | Transportation Company Tendered To (CA) Qualifier<br>CA - Carrier | M | ID | 2/2 | 1 | 390 | O | 1 | 12 | 1 | N1 | N101 | 98 | M | ID | 2/3 |
| 49-02 | 70 | Transportation Company Tendered To Name (CA) | M | AN | 1/35 | 1 | 390 | O | 1 | 12 | 1 | N1 | N102 | 93 | C | AN | 1/60 |
| 50 | 70 | **PER SEGMENT - Transportation Company Dispatcher Contact**<br>SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required. | C | | | 1 | 440 | O | 3 | 12 | 1 | N1 | | | | | |
| | | | | | | | If either PER03 or PER04 is present, then the other is required.<br>If either PER05 or PER06 is present, then the other is required.<br>If either PER07 or PER08 is present, then the other is required. | | | | | | | | | | |
| 50-01 | 70 | Transportation Company Dispatcher Contact Qualifier<br>EM - Emergency Contact | M | ID | 2/2 | 1 | 440 | O | 3 | 12 | 1 | N1 | PER01 | 366 | M | ID | 2/2 |
| 50-03 | 70 | Transportation Company Dispatcher Telephone Number Qualifier<br>TE - Telephone | M | ID | 2/2 | 1 | 440 | O | 3 | 12 | 1 | N1 | PER03 | 365 | C | ID | 2/2 |
| 50-04 | 70 | Transportation Company Dispatcher Telephone Number | M | AN | 7/21 | 1 | 440 | O | 3 | 12 | 1 | N1 | PER04 | 364 | C | AN | 1/80 |

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| 51 | 71 | **N1 SEGMENT - Destination (ST)** | M | | | 1 | 390 | O | 1 | 12 | 1 | N1 | | | | | |
| | | | | | | | At least one of N102 or N103 is required.<br>If either N103 or N104 is present, then the other is required. | | | | | | | | | | |
| 51-01 | 71 | Destination Name (ST) Qualifier<br>This qualifier identifies name and address information of the carrier's delivery location.<br><br>ST - Ship To | M | ID | 2/2 | 1 | 390 | O | 1 | 12 | 1 | N1 | N101 | 98 | M | ID | 2/3 |
| 51-02 | 71 | Destination Name (ST) | C | AN | 1/35 | 1 | 390 | O | 1 | 12 | 1 | N1 | N102 | 93 | C | AN | 1/60 |
| 51-03 | 71 | Destination DoDAAC/CAGE/MAPAC Qualifier<br>Do not use CAGE code for ocean shipments.<br><br>10 - Department of Defense Activity Address Code (DODAAC)<br><br>33 - Commercial and Government Entity (CAGE)<br><br>A2 - Military Assistance Program Address Code (MAPAC) | M | ID | 2/2 | 1 | 390 | O | 1 | 12 | 1 | N1 | N103 | 66 | C | ID | 1/2 |
| 51-04 | 71 | Destination DoDAAC/CAGE/MAPAC<br>If DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the destination is required. | M | AN | 5/6 | 1 | 390 | O | 1 | 12 | 1 | N1 | N104 | 67 | C | AN | 2/80 |
| | | | | | | | 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. | | | | | | | | | | |
| 52 | 71 | **N2 SEGMENT - Destination (ST)**<br>SEGMENT CONDITION: Use if additional destination name applies. | C | | | 1 | 400 | O | 2 | 12 | 1 | N1 | | | | | |
| 52-01 | 71 | Additional Name (ST) | M | AN | 1/35 | 1 | 400 | O | 2 | 12 | 1 | N1 | N201 | 93 | M | AN | 1/60 |
| 53 | 71 | **N3 SEGMENT - Destination (ST)**<br>SEGMENT CONDITION: Use if destination street address applies. | C | | | 1 | 410 | O | 2 | 12 | 1 | N1 | | | | | |
| 53-01 | 71 | Street (ST) | M | AN | 1/35 | 1 | 410 | O | 2 | 12 | 1 | N1 | N301 | 166 | M | AN | 1/55 |
| 53-02 | 71 | Additional Addressing Information | C | AN | 1/35 | 1 | 410 | O | 2 | 12 | 1 | N1 | N302 | 166 | O | AN | 1/55 |
| 54 | 71 | **N4 SEGMENT - Destination (ST)**<br>SEGMENT CONDITION: Use if destination city, state, and ZIP Code apply. | C | | | 1 | 420 | O | 1 | 12 | 1 | N1 | | | | | |
| | | | | | | | If N406 is present, then N405 is required. | | | | | | | | | | |
| 54-01 | 71 | City (ST)<br>ELEMENT CONDITION: Field is MANDATORY if rail shipment. | C | AN | 2/19 | 1 | 420 | O | 1 | 12 | 1 | N1 | N401 | 19 | O | AN | 2/30 |
| | | | | | | | A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location. | | | | | | | | | | |

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| 54-02 | 71 | State Code (ST)<br>ELEMENT CONDITION: Field is MANDATORY if rail shipment.<br><br>SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center | C | ID | 2/2 | 1 | 420 | O | 1 | 12 | 1 | N1 | N402 | 156 | O | ID | 2/2 |
| | | | | | | | N402 is required only if city name (N401) is in the U.S. or Canada. | | | | | | | | | | |
| 54-03 | 71 | ZIP/Postal Code (ST)<br>There should be no special characters, punctuation, or blanks.<br><br>ELEMENT CONDITION: Field is MANDATORY if rail shipment.<br><br>SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents | C | ID | 3/15 | 1 | 420 | O | 1 | 12 | 1 | N1 | N403 | 116 | O | ID | 3/15 |
| 54-04 | 71 | Country Code<br>ELEMENT CONDITION: If destination is OCONUS, country code is required.<br><br>SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute. | C | ID | 2/3 | 1 | 420 | O | 1 | 12 | 1 | N1 | N404 | 26 | O | ID | 2/3 |
| 54-05 | 71 | Destination SPLC (ST) Qualifier<br>ELEMENT CONDITION: SPLC is required for CONUS, but not OCONUS, shipments.<br><br>SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)<br><br>SL - U.S. SPLC | C | ID | 2/2 | 1 | 420 | O | 1 | 12 | 1 | N1 | N405 | 309 | C | ID | 1/2 |
| 54-06 | 71 | Destination SPLC (ST)<br>ELEMENT CONDITION: Nine-digit SPLCs are required for costing. SPLC is provided for CONUS shipments but not OCONUS. | C | AN | 9/9 | 1 | 420 | O | 1 | 12 | 1 | N1 | N406 | 310 | O | AN | 1/30 |
| 55 | 71 | **PER SEGMENT - DTTS Destination (ST)**<br>SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required. | C | | | 1 | 440 | O | 3 | 12 | 1 | N1 | | | | | |
| | | | | | | | If either PER03 or PER04 is present, then the other is required.<br>If either PER05 or PER06 is present, then the other is required.<br>If either PER07 or PER08 is present, then the other is required. | | | | | | | | | | |
| 55-01 | 71 | Destination (ST) Contact Qualifier<br>EM - Emergency Contact | M | ID | 2/2 | 1 | 440 | O | 3 | 12 | 1 | N1 | PER01 | 366 | M | ID | 2/2 |
| 55-03 | 71 | Destination (ST) Phone Number Qualifier<br>AU - Defense Switched Network<br><br>TE - Telephone | M | ID | 2/2 | 1 | 440 | O | 3 | 12 | 1 | N1 | PER03 | 365 | C | ID | 2/2 |

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| 55-04 | 71 | Destination (ST) Contact Phone Number<br>Both commercial and DSN phone numbers are required for ammunition shipments. | M | AN | 7/21 | 1 | 440 | O | 3 | 12 | 1 | N1 | PER04 | 364 | C | AN | 1/80 |
| 56 | 72 | **N1 SEGMENT - Origin (SF)** | M | | | 1 | 390 | O | 1 | 12 | 1 | N1 | | | | | |
| | | | | | | | At least one of N102 or N103 is required.<br>If either N103 or N104 is present, then the other is required. | | | | | | | | | | |
| 56-01 | 72 | Origin Name (SF) Qualifier<br>This qualifier identifies the name and address information of the carrier's pickup location.<br><br>SF - Ship From | M | ID | 2/2 | 1 | 390 | O | 1 | 12 | 1 | N1 | N101 | 98 | M | ID | 2/3 |
| 56-02 | 72 | Origin Name (SF)<br>ELEMENT CONDITION: If issuing GBLOC is unavailable (N406='IOOI') or origin DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the origin is required. | C | AN | 1/35 | 1 | 390 | O | 1 | 12 | 1 | N1 | N102 | 93 | C | AN | 1/60 |
| 56-03 | 72 | Origin DoDAAC/CAGE/MAPAC Qualifier<br>Do not use CAGE code for ocean shipments.<br><br>10 - Department of Defense Activity Address Code (DODAAC)<br><br>33 - Commercial and Government Entity (CAGE)<br><br>A2 - Military Assistance Program Address Code (MAPAC) | M | ID | 2/2 | 1 | 390 | O | 1 | 12 | 1 | N1 | N103 | 66 | C | ID | 1/2 |
| 56-04 | 72 | Origin DoDAAC/CAGE/MAPAC<br>If origin DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the origin is required in N102. | M | AN | 5/6 | 1 | 390 | O | 1 | 12 | 1 | N1 | N104 | 67 | C | AN | 2/80 |
| | | | | | | | 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. | | | | | | | | | | |
| 57 | 72 | **N2 SEGMENT - Origin (SF)**<br>SEGMENT CONDITION: Use if origin additional name applies. | C | | | 1 | 400 | O | 2 | 12 | 1 | N1 | | | | | |
| 57-01 | 72 | Additional Name (SF) | M | AN | 1/35 | 1 | 400 | O | 2 | 12 | 1 | N1 | N201 | 93 | M | AN | 1/60 |
| 58 | 72 | **N3 SEGMENT - Origin (SF)**<br>SEGMENT CONDITION: Use if origin street address applies. | C | | | 1 | 410 | O | 2 | 12 | 1 | N1 | | | | | |
| 58-01 | 72 | Street (SF) | M | AN | 1/35 | 1 | 410 | O | 2 | 12 | 1 | N1 | N301 | 166 | M | AN | 1/55 |
| 58-02 | 72 | Additional Addressing Information | C | AN | 1/35 | 1 | 410 | O | 2 | 12 | 1 | N1 | N302 | 166 | O | AN | 1/55 |

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| 59 | 72 | **N4 SEGMENT - Origin (SF)**<br>SEGMENT CONDITION: Use if origin city, state, and ZIP Code apply. | C | | | 1 | 420<br>If N406 is present, then N405 is required. | O | 1 | 12 | 1 | N1 | | | | | |
| 59-01 | 72 | City (SF)<br>ELEMENT CONDITION: Field is MANDATORY if rail shipment. | C | AN | 2/19 | 1 | 420<br>A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location. | O | 1 | 12 | 1 | N1 | N401 | 19 | O | AN | 2/30 |
| 59-02 | 72 | State (SF)<br>ELEMENT CONDITION: Field is MANDATORY if rail shipment. Also use for province if shipment is Canadian.<br><br>SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center | C | I | 2/2 | 1 | 420<br>N402 is required only if city name (N401) is in the U.S. or Canada. | O | 1 | 12 | 1 | N1 | N402 | 156 | O | ID | 2/2 |
| 59-03 | 72 | ZIP/Postal Code (SF)<br>Field is MANDATORY if rail shipment. There should be no special characters, punctuation, or blanks.<br><br>ELEMENT CONDITION: Field is MANDATORY if rail shipment.<br><br>SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents | C | ID | 3/15 | 1 | 420 | O | 1 | 12 | 1 | N1 | N403 | 116 | O | ID | 3/15 |
| 59-04 | 72 | Country Code (SF)<br>ELEMENT CONDITION: If origin is OCONUS, country code is required.<br><br>SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute. | C | ID | 2/3 | 1 | 420 | O | 1 | 12 | 1 | N1 | N404 | 26 | O | ID | 2/3 |
| 59-05 | 72 | Shipping Point SPLC (SF) Qualifier<br>ELEMENT CONDITION: Required if N406 is used.<br><br>SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)<br><br>SL - U.S. SPLC | C | ID | 2/2 | 1 | 420 | O | 1 | 12 | 1 | N1 | N405 | 309 | C | ID | 1/2 |
| 59-06 | 72 | Shipping Point SPLC (SF)<br>Nine-digit SPLCs are required for costing. SPLC is provided for CONUS shipments but not OCONUS. | C | AN | 9/9 | 1 | 420 | O | 1 | 12 | 1 | N1 | N406 | 310 | O | AN | 1/30 |
| 60 | 72 | **PER SEGMENT - DTTS Origin (SF)**<br>SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required. | C | | | 1 | 440<br>If either PER03 or PER04 is present, then the other is required.<br>If either PER05 or PER06 is present, then the other is required.<br>If either PER07 or PER08 is present, then the other is required. | O | 3 | 12 | 1 | N1 | | | | | |

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| 60-01 | 72 | Origin (SF) Contact Qualifier<br>EM - Emergency Contact | M | ID | 2/2 | 1 | 440 | O | 3 | 12 | 1 | N1 | PER01 | 366 | M | ID | 2/2 |
| 60-03 | 72 | Origin (SF) Phone Number Qualifier<br>AU - Defense Switched Network<br>TE - Telephone | M | ID | 2/2 | 1 | 440 | O | 3 | 12 | 1 | N1 | PER03 | 365 | C | ID | 2/2 |
| 60-04 | 72 | Origin (SF) Contact Phone Number<br>Both commercial and DSN phone numbers are required for ammunition shipments. | M | AN | 7/21 | 1 | 440 | O | 3 | 12 | 1 | N1 | PER04 | 364 | C | AN | 1/80 |
| 61 | 73 | **N1 SEGMENT - Consignee (CN)** | M | | | 1 | 390 | O | 1 | 12 | 1 | N1 | | | | | |
| | | | | | | | At least one of N102 or N103 is required.<br>If either N103 or N104 is present, then the other is required. | | | | | | | | | | |
| 61-01 | 73 | Consignee (CN) Name Qualifier<br>This qualifier identifies the installation transportation office responsible for the shipment at the final destination.<br>CN - Consignee | M | ID | 2/2 | 1 | 390 | O | 1 | 12 | 1 | N1 | N101 | 98 | M | ID | 2/3 |
| 61-02 | 73 | Consignee Name (CN)<br>ELEMENT CONDITION: If consignee GBLOC is unavailable (N406='IOOI') or consignee DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the consignee is required. | C | AN | 1/35 | 1 | 390 | O | 1 | 12 | 1 | N1 | N102 | 93 | C | AN | 1/60 |
| 61-03 | 73 | Consignee DoDAAC/CAGE/MAPAC Qualifier<br>Do not use CAGE code for ocean shipments.<br>10 - Department of Defense Activity Address Code (DODAAC)<br>33 - Commercial and Government Entity (CAGE)<br>A2 - Military Assistance Program Address Code (MAPAC) | M | ID | 2/2 | 1 | 390 | O | 1 | 12 | 1 | N1 | N103 | 66 | C | ID | 1/2 |
| 61-04 | 73 | Consignee DoDAAC/CAGE/MAPAC<br>If DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the consignee is required in N102. | M | AN | 5/6 | 1 | 390 | O | 1 | 12 | 1 | N1 | N104 | 67 | C | AN | 2/80 |
| | | | | | | | 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. | | | | | | | | | | |
| 62 | 73 | **N2 SEGMENT - Consignee (CN)**<br>SEGMENT CONDITION: Use if consignee additional name applies. | C | | | 1 | 400 | O | 2 | 12 | 1 | N1 | | | | | |
| 62-01 | 73 | Additional Name (CN) | M | AN | 1/35 | 1 | 400 | O | 2 | 12 | 1 | N1 | N201 | 93 | M | AN | 1/60 |

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| 63 | 73 | **N3 SEGMENT - Consignee (CN)**<br>SEGMENT CONDITION: Use if consignee street address applies. | C | | | 1 | 410 | O | 2 | 12 | 1 | N1 | | | | | |
| 63-01 | 73 | Street (CN) | M | AN | 1/35 | 1 | 410 | O | 2 | 12 | 1 | N1 | N301 | 166 | M | AN | 1/55 |
| 63-02 | 73 | Additional Addressing Information | C | AN | 1/35 | 1 | 410 | O | 2 | 12 | 1 | N1 | N302 | 166 | O | AN | 1/55 |
| 64 | 73 | **N4 SEGMENT - Consignee (CN)**<br>SEGMENT CONDITION: Required for all shipments except ocean.<br><br>Provides required data when shipment is by rail or when consignee is OCONUS. May be used also when consignee city, state, and ZIP Code apply. | C | | | 1 | 420<br>If N406 is present, then N405 is required. | O | 1 | 12 | 1 | N1 | | | | | |
| 64-01 | 73 | City (CN)<br>ELEMENT CONDITION: Field is MANDATORY if rail shipment. | C | AN | 2/19 | 1 | 420<br>A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location. | O | 1 | 12 | 1 | N1 | N401 | 19 | O | AN | 2/30 |
| 64-02 | 73 | State (CN)<br>ELEMENT CONDITION: Field is MANDATORY if rail shipment. Also use for province if shipment is Canadian.<br><br>SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center | C | ID | 2/2 | 1 | 420<br>N402 is required only if city name (N401) is in the U.S. or Canada. | O | 1 | 12 | 1 | N1 | N402 | 156 | O | ID | 2/2 |
| 64-03 | 73 | ZIP Code/Postal Code (CN)<br>There should be no special characters, punctuation, or blanks.<br><br>ELEMENT CONDITION: Field is MANDATORY if rail shipment.<br><br>SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents | C | ID | 3/15 | 1 | 420 | O | 1 | 12 | 1 | N1 | N403 | 116 | O | ID | 3/15 |
| 64-04 | 73 | Country Code (CN)<br>ELEMENT CONDITION: If consignee is OCONUS, country code is required.<br><br>SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute. | C | ID | 2/3 | 1 | 420 | O | 1 | 12 | 1 | N1 | N404 | 26 | O | ID | 2/3 |

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| 64-05 | 73 | Consignee (CN) GBLOC Qualifier<br>ELEMENT CONDITION: Required for all shipments except by ocean.<br><br>SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)<br><br>BL - Government Bill of Lading Office Code (GBLOC) | C | ID | 2/2 | 1 | 420 | O | 1 | 12 | 1 | N1 | N405 | 309 | C | ID | 1/2 |
| 64-06 | 73 | Consignee (CN) GBLOC<br>ELEMENT CONDITION: If GBLOC is unavailable enter value 'IOOI'. Then, the clear text name of the consignee is required in N102. | C | AN | 4/4 | 1 | 420 | O | 1 | 12 | 1 | N1 | N406 | 310 | O | AN | 1/30 |
| 65 | 74 | **N1 SEGMENT - Shipper (SH)** | M | | | 1 | 390 | O | 1 | 12 | 1 | N1 | | | | | |
| | | | | | | | At least one of N102 or N103 is required.<br>If either N103 or N104 is present, then the other is required. | | | | | | | | | | |
| 65-01 | 74 | Shipper Name (SH) Qualifier<br>This qualifier identifies the installation transportation office responsible for the shipment at origin.<br><br>SH - Shipper | M | ID | 2/2 | 1 | 390 | O | 1 | 12 | 1 | N1 | N101 | 98 | M | ID | 2/3 |
| 65-02 | 74 | Shipper Name (SH)<br>ELEMENT CONDITION: If shipper DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the<br>clear text name of the shipper is required. | C | AN | 1/35 | 1 | 390 | O | 1 | 12 | 1 | N1 | N102 | 93 | C | AN | 1/60 |
| 65-03 | 74 | Shipper DoDAAC/CAGE/MAPAC Qualifier (SH)<br>Do not use CAGE code for ocean shipments.<br><br>10 - Department of Defense Activity Address Code (DODAAC)<br><br>33 - Commercial and Government Entity (CAGE)<br><br>A2 - Military Assistance Program Address Code (MAPAC) | M | ID | 2/2 | 1 | 390 | O | 1 | 12 | 1 | N1 | N103 | 66 | C | ID | 1/2 |
| 65-04 | 74 | Shipper DoDAAC/CAGE/MAPAC (SH)<br>If shipper DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the shipper is required. | M | AN | 5/6 | 1 | 390 | O | 1 | 12 | 1 | N1 | N104 | 67 | C | AN | 2/80 |
| | | | | | | | 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. | | | | | | | | | | |
| 66 | 74 | **N2 SEGMENT - Shipper (SH)**<br>SEGMENT CONDITION: Use if shipper additional name applies. | C | | | 1 | 400 | O | 2 | 12 | 1 | N1 | | | | | |
| 66-01 | 74 | Additional Name (SH) | M | AN | 1/35 | 1 | 400 | O | 2 | 12 | 1 | N1 | N201 | 93 | M | AN | 1/60 |
| 67 | 74 | **N3 SEGMENT - Shipper (SH)**<br>SEGMENT CONDITION: Use if shipper street address applies. | C | | | 1 | 410 | O | 2 | 12 | 1 | N1 | | | | | |

| DoD INFORMATION | | | | | | X12 SEGMENT INFORMATION | | | | | | | X12 ELEMENT INFORMATION | | | | |
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| 67-01 | 74 | Street (SH) | M | AN | 1/35 | 1 | 410 | O | 2 | 12 | 1 | N1 | N301 | 166 | M | AN | 1/55 |
| 67-02 | 74 | Additional Addressing Information | C | AN | 1/35 | 1 | 410 | O | 2 | 12 | 1 | N1 | N302 | 166 | O | AN | 1/55 |
| 68 | 74 | **N4 SEGMENT - Shipper (SH)**<br>SEGMENT CONDITION: Use if shipper city, state, and ZIP Code apply. | C | | | 1 | 420 | O | 1 | 12 | 1 | N1 | | | | | |
| | | | | | | | If N406 is present, then N405 is required. | | | | | | | | | | |
| 68-01 | 74 | City (SH)<br>ELEMENT CONDITION: Field is required for rail shipments. | C | AN | 2/19 | 1 | 420 | O | 1 | 12 | 1 | N1 | N401 | 19 | O | AN | 2/30 |
| | | | | | | | A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location. | | | | | | | | | | |
| 68-02 | 74 | State (SH)<br>ELEMENT CONDITION: Field is required for if rail shipments. Also use for province if shipment is Canadian.<br><br>SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center | C | ID | 2/2 | 1 | 420 | O | 1 | 12 | 1 | N1 | N402 | 156 | O | ID | 2/2 |
| | | | | | | | N402 is required only if city name (N401) is in the U.S. or Canada. | | | | | | | | | | |
| 68-03 | 74 | ZIP Code/Postal Code (SH)<br>There should be no special characters, punctuation, or blanks.<br><br>ELEMENT CONDITION: Field is required for rail shipments.<br><br>SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents | C | ID | 3/15 | 1 | 420 | O | 1 | 12 | 1 | N1 | N403 | 116 | O | ID | 3/15 |
| 68-04 | 74 | Country Code (SH)<br>ELEMENT CONDITION: If shipper is OCONUS, country code is required.<br><br>SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute. | C | ID | 2/3 | 1 | 420 | O | 1 | 12 | 1 | N1 | N404 | 26 | O | ID | 2/3 |
| 69 | 75 | **N1 SEGMENT - Diversion/Reconsignment To (TT)**<br>LOOP CONDITION: Required if shipment requires diversion/reconsignment destination. | C | | | 1 | 390 | O | 1 | 12 | 1 | N1 | | | | | |
| | | | | | | | At least one of N102 or N103 is required.<br>If either N103 or N104 is present, then the other is required. | | | | | | | | | | |
| 69-01 | 75 | Diversion/Reconsignment (TT) To Qualifier<br>Location that shipment is diverted/reconsigned to.<br><br>TT - Transfer To | M | ID | 2/2 | 1 | 390 | O | 1 | 12 | 1 | N1 | N101 | 98 | M | ID | 2/3 |
| 69-02 | 75 | Diversion/Reconsignment (TT) To City<br>Carry the city name that pertains to the SPLC. | M | AN | 2/19 | 1 | 390 | O | 1 | 12 | 1 | N1 | N102 | 93 | C | AN | 1/60 |

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| 70 | 75 | **N4 SEGMENT - Diversion/Reconsignment To Country Code (TT)**<br>SEGMENT CONDITION: If shipment is CONUS, SPLC is required. If OCONUS, country code is required. | C | | | 1 | 420<br>If N406 is present, then N405 is required. | O | 1 | 12 | 1 | N1 | | | | | |
| 70-04 | 75 | Country Code<br>ELEMENT CONDITION: If diversion/reconsignment is OCONUS, country code is required.<br><br>SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute. | C | ID | 2/3 | 1 | 420 | O | 1 | 12 | 1 | N1 | N404 | 26 | O | ID | 2/3 |
| 70-05 | 75 | Diversion/Reconsignment (TT) To SPLC Qualifier<br>Required if N406 is used.<br><br>SL - U.S. SPLC | C | ID | 2/2 | 1 | 420 | O | 1 | 12 | 1 | N1 | N405 | 309 | C | ID | 1/2 |
| 70-06 | 75 | Diversion/Reconsignment (TT) To SPLC | C | AN | 9/9 | 1 | 420 | O | 1 | 12 | 1 | N1 | N406 | 310 | O | AN | 1/30 |
| 71 | 76 | **N1 SEGMENT - Diversion/Reconsignment From (T4)**<br>LOOP CONDITION: DG 76 required if shipment requires diversion/reconsignment destination. | C | | | 1 | 390<br>At least one of N102 or N103 is required.<br>If either N103 or N104 is present, then the other is required. | O | 1 | 12 | 1 | N1 | | | | | |
| 71-01 | 76 | Diversion/Reconsignment (T4) From Qualifier<br>T4 - Transfer Point | M | ID | 2/2 | 1 | 390 | O | 1 | 12 | 1 | N1 | N101 | 98 | M | ID | 2/3 |
| 71-02 | 76 | Diversion/Reconsignment (T4) From<br>Location that shipment was diverted/reconsigned from. Carry the city name that pertains to the SPLC. | M | AN | 1/19 | 1 | 390 | O | 1 | 12 | 1 | N1 | N102 | 93 | C | AN | 1/60 |
| 72 | 76 | **N4 SEGMENT - Diversion/Reconsignment (T4)**<br>SEGMENT CONDITION: Required if diversion/reconsignment SPLC applies. | C | | | 1 | 420<br>If N406 is present, then N405 is required. | O | 1 | 12 | 1 | N1 | | | | | |
| 72-05 | 76 | Diversion/Reconsignment (T4) From SPLC Qualifier<br>SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)<br><br>SL - U.S. SPLC | M | ID | 2/2 | 1 | 420 | O | 1 | 12 | 1 | N1 | N405 | 309 | C | ID | 1/2 |
| 72-06 | 76 | Diversion/Reconsignment (T4) From SPLC | M | AN | 9/9 | 1 | 420 | O | 1 | 12 | 1 | N1 | N406 | 310 | O | AN | 1/30 |
| 73 | 77 | **N1 SEGMENT - Bill Charges To (PO)** | M | | | 1 | 390<br>At least one of N102 or N103 is required.<br>If either N103 or N104 is present, then the other is required. | O | 1 | 12 | 1 | N1 | | | | | |

| DoD INFORMATION | | | | | | X12 SEGMENT INFORMATION | | | | | | | X12 ELEMENT INFORMATION | | | | |
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| 73-01 | 77 | Bill Charges To (PO) Qualifier<br>PO - Party to Receive Invoice for Goods or Services | M | ID | 2/2 | 1 | 390 | O | 1 | 12 | 1 | N1 | N101 | 98 | M | ID | 2/3 |
| 73-02 | 77 | Bill Charges To (PO) | C | AN | 1/35 | 1 | 390 | O | 1 | 12 | 1 | N1 | N102 | 93 | C | AN | 1/60 |
| 73-03 | 77 | Bill Charges To (PO) DoDAAC/CAGE/MAPAC Qualifier<br>Do not use CAGE code for ocean shipments.<br>ELEMENT CONDITION: Required if N104 is used.<br>10 - Department of Defense Activity Address Code (DODAAC)<br>33 - Commercial and Government Entity (CAGE)<br>A2 - Military Assistance Program Address Code (MAPAC) | C | ID | 2/2 | 1 | 390 | O | 1 | 12 | 1 | N1 | N103 | 66 | C | ID | 1/2 |
| 73-04 | 77 | Bill Charges To (PO) DoDAAC/CAGE/MAPAC | C | AN | 5/6 | 1 | 390 | O | 1 | 12 | 1 | N1 | N104 | 67 | C | AN | 2/80 |
| | | | | | | | 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. | | | | | | | | | | |
| 74 | 77 | **N2 SEGMENT - Bill Charges To (PO)**<br>SEGMENT CONDITION: Use if additional name is required for party to whom charges are billed. If available provide additional name to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC. | C | | | 1 | 400 | O | 2 | 12 | 1 | N1 | | | | | |
| 74-01 | 77 | Additional Name (PO) | M | AN | 1/35 | 1 | 400 | O | 2 | 12 | 1 | N1 | N201 | 93 | M | AN | 1/60 |
| 75 | 77 | **N3 SEGMENT - Bill Charges To (PO)**<br>SEGMENT CONDITION: Use if street address is required for party to whom charges are billed. f available provide street address to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC. | C | | | 1 | 410 | O | 2 | 12 | 1 | N1 | | | | | |
| 75-01 | 77 | Street (PO) | M | AN | 1/35 | 1 | 410 | O | 2 | 12 | 1 | N1 | N301 | 166 | M | AN | 1/55 |
| 75-02 | 77 | Additional Addressing Information | C | AN | 1/35 | 1 | 410 | O | 2 | 12 | 1 | N1 | N302 | 166 | O | AN | 1/55 |
| 76 | 77 | **N4 SEGMENT - Bill Charges To (PO)**<br>SEGMENT CONDITION: Use if city is required for party to whom charges are billed. If available provide city, state, and ZIP to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC. | C | | | 1 | 420 | O | 1 | 12 | 1 | N1 | | | | | |
| | | | | | | | If N406 is present, then N405 is required. | | | | | | | | | | |
| 76-01 | 77 | City (PO) | C | AN | 2/19 | 1 | 420 | O | 1 | 12 | 1 | N1 | N401 | 19 | O | AN | 2/30 |
| | | | | | | | A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location. | | | | | | | | | | |

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| 76-02 | 77 | State (PO)<br>SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center | C | ID | 2/2 | 1 | 420<br>N402 is required only if city name (N401) is in the U.S. or Canada. | O | 1 | 12 | 1 | N1 | N402 | 156 | O | ID | 2/2 |
| 76-03 | 77 | ZIP Code/Postal Code (PO)<br>SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents | C | ID | 3/15 | 1 | 420 | O | 1 | 12 | 1 | N1 | N403 | 116 | O | ID | 3/15 |
| 77 | 78 | **N1 SEGMENT - Issuing Office (IU)** | M | | | 1 | 390<br>At least one of N102 or N103 is required.<br>If either N103 or N104 is present, then the other is required. | O | 1 | 12 | 1 | N1 | | | | | |
| 77-01 | 78 | Issuing Office (IU) Name Qualifier<br>IU - Issuer | M | ID | 2/2 | 1 | 390 | O | 1 | 12 | 1 | N1 | N101 | 98 | M | ID | 2/3 |
| 77-02 | 78 | Issuing Office (IU) Name | M | AN | 1/35 | 1 | 390 | O | 1 | 12 | 1 | N1 | N102 | 93 | C | AN | 1/60 |
| 78 | 78 | **N2 SEGMENT - Issuing Office (IU)**<br>SEGMENT CONDITION: Use if additional name is required for issuing office. | C | | | 1 | 400 | O | 2 | 12 | 1 | N1 | | | | | |
| 78-01 | 78 | Additional Name (IU) | M | AN | 1/35 | 1 | 400 | O | 2 | 12 | 1 | N1 | N201 | 93 | M | AN | 1/60 |
| 79 | 78 | **N3 SEGMENT - Issuing Office (IU)**<br>SEGMENT CONDITION: Use if street address is required for issuing office. | C | | | 1 | 410 | O | 2 | 12 | 1 | N1 | | | | | |
| 79-01 | 78 | Street (IU) | M | AN | 1/35 | 1 | 410 | O | 2 | 12 | 1 | N1 | N301 | 166 | M | AN | 1/55 |
| 79-02 | 78 | Additional Addressing Information | C | AN | 1/35 | 1 | 410 | O | 2 | 12 | 1 | N1 | N302 | 166 | O | AN | 1/55 |
| 80 | 78 | **N4 SEGMENT - Issuing Office (IU)**<br>SEGMENT CONDITION: Use if Issuing Office (IU) city, state, and ZIP Code apply. | C | | | 1 | 420<br>If N406 is present, then N405 is required. | O | 1 | 12 | 1 | N1 | | | | | |
| 80-01 | 78 | City (IU) | C | AN | 2/19 | 1 | 420<br>A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location. | O | 1 | 12 | 1 | N1 | N401 | 19 | O | AN | 2/30 |
| 80-02 | 78 | State (IU)<br>SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center | C | ID | 2/2 | 1 | 420<br>N402 is required only if city name (N401) is in the U.S. or Canada. | O | 1 | 12 | 1 | N1 | N402 | 156 | O | ID | 2/2 |

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| 80-03 | 78 | ZIP Code/Postal Code (IU)<br>SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents | C | AN | 3/15 | 1 | 420 | O | 1 | 12 | 1 | N1 | N403 | 116 | O | ID | 3/15 |
| 80-05 | 78 | Issuing Office (IU) GBLOC Qualifier<br>SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)<br><br>BL - Government Bill of Lading Office Code (GBLOC) | M | ID | 2/2 | 1 | 420 | O | 1 | 12 | 1 | N1 | N405 | 309 | C | ID | 1/2 |
| 80-06 | 78 | Issuing Office (IU) GBLOC<br>This element must contain a valid GBLOC. Do not use 'IOOI'. | M | AN | 4/4 | 1 | 420 | O | 1 | 12 | 1 | N1 | N406 | 310 | O | AN | 1/30 |
| 81 | 78 | **PER SEGMENT - Name of Issuing Officer (IU)**<br>SEGMENT CONDITION: Use if name of issuing officer is required. | C | | | 1 | 440 | O | 3 | 12 | 1 | N1 | | | | | |
| | | | | | | | If either PER03 or PER04 is present, then the other is required.<br>If either PER05 or PER06 is present, then the other is required.<br>If either PER07 or PER08 is present, then the other is required. | | | | | | | | | | |
| 81-01 | 78 | Name of Issuing Officer Qualifier<br>IO - Issuing Officer | M | ID | 2/2 | 1 | 440 | O | 3 | 12 | 1 | N1 | PER01 | 366 | M | ID | 2/2 |
| 81-02 | 78 | Name of Issuing Officer | M | AN | 1/35 | 1 | 440 | O | 3 | 12 | 1 | N1 | PER02 | 93 | O | AN | 1/60 |
| 82 | 79 | **N1 SEGMENT - FOB Point (KX)**<br>LOOP CONDITION: Use if FOB point applies. | C | | | 1 | 390 | O | 1 | 12 | 1 | N1 | | | | | |
| | | | | | | | At least one of N102 or N103 is required.<br>If either N103 or N104 is present, then the other is required. | | | | | | | | | | |
| 82-01 | 79 | FOB Point (KX) Qualifier<br>KX - Free on Board Point | M | ID | 2/2 | 1 | 390 | O | 1 | 12 | 1 | N1 | N101 | 98 | M | ID | 2/3 |
| 82-02 | 79 | FOB Point (KX)<br>Carry actual FOB point name in this data element. | M | AN | 1/35 | 1 | 390 | O | 1 | 12 | 1 | N1 | N102 | 93 | C | AN | 1/60 |
| 83 | 79 | **N4 SEGMENT - FOB Point**<br>SEGMENT CONDITION: Use if FOB point applies. | C | | | 1 | 420 | O | 1 | 12 | 1 | N1 | | | | | |
| | | | | | | | If N406 is present, then N405 is required. | | | | | | | | | | |
| 83-01 | 79 | FOB Point (City) Named In Contract | C | AN | 2/19 | 1 | 420 | O | 1 | 12 | 1 | N1 | N401 | 19 | O | AN | 2/30 |
| | | | | | | | A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location. | | | | | | | | | | |
| 83-02 | 79 | FOB Point (State) Named In Contract<br>SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center | C | ID | 2/2 | 1 | 420 | O | 1 | 12 | 1 | N1 | N402 | 156 | O | ID | 2/2 |
| | | | | | | | N402 is required only if city name (N401) is in the U.S. or Canada. | | | | | | | | | | |

| DoD INFORMATION | | | | | | X12 SEGMENT INFORMATION | | | | | | | X12 ELEMENT INFORMATION | | | | |
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| 83-05 | 79 | FOB SPLC Qualifier<br>ELEMENT CONDITION: Required if N406 is used.<br><br>SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)<br><br>SL - U.S. SPLC | C | ID | 1/2 | 1 | 420 | O | 1 | 12 | 1 | N1 | N405 | 309 | C | ID | 1/2 |
| 83-06 | 79 | FOB SPLC | C | AN | 9/9 | 1 | 420 | O | 1 | 12 | 1 | N1 | N406 | 310 | O | AN | 1/30 |
| 84 | 80 | **S5 SEGMENT - Stop Data**<br>LOOP CONDITION: DG 80 required if the shipment requires inside pickup, inside delivery, stops, and objective service supply deliveries.<br><br>The S5 loop must occur for each unique action that occurs at an enroute location. If a pickup and delivery action are performed at the same enroute location, the S5 loop must occur once for the pickup, and once for the delivery. The origin address is not included in this loop. The split pickup and split delivery addresses are included in this loop.<br>For example, if a shipment makes a stop location and unloads an item, then moves to an inside address and unloads and loads an item, three actions have affected the shipment at two locations. Consequently, the 858 must contain three S5 loops, one for each action. | C | | | 1 | 450 | O | 1 | 999 | 1 | S5 | | | | | |
| | | | | | | | If either S503 or S504 is present, then the other is required.<br>If either S505 or S506 is present, then the other is required.<br>If either S507 or S508 is present, then the other is required. | | | | | | | | | | |
| 84-01 | 80 | Stop Sequence Number<br>If the shipment stops enroute to the final destination, enter the sequence number of the stop location here. This sequence number needs to appear in the 100 Detail - Line Item Header Information Loop with each commodity that is picked up and/or delivered at that stop.<br><br>[T_9 D-14 72/73] | M | N0 | 1/2 | 1 | 450 | O | 1 | 999 | 1 | S5 | S501 | 165 | M | N0 | 1/3 |
| 84-02 | 80 | Stop Reason Code<br>LD - Load<br><br>UL - Unload | M | ID | 2/2 | 1 | 450 | O | 1 | 999 | 1 | S5 | S502 | 163 | M | ID | 2/2 |
| 84-10 | 80 | Stop SPLC Code<br>Nine-digit SPLCs are required for costing of all shipments except by ocean. SPLC not used OCONUS.<br><br>SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc. | C | ID | 9/9 | 1 | 450 | O | 1 | 999 | 1 | S5 | S510 | 154 | O | ID | 6/9 |
| 84-11 | 80 | Stop Accomplish Code<br>A - Accomplished<br><br>P - Pending | C | ID | 1/1 | 1 | 450 | O | 1 | 999 | 1 | S5 | S511 | 190 | O | ID | 1/1 |

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| 85 | 80 | **G62 SEGMENT - Stop Arrival/Departure Times**<br>SEGMENT CONDITION: Required if stop/pickup applies. | C | | | 1 | 460 | O | 6 | 999 | 1 | S5 | | | | | |
| | | | | | | | At least one of G6201 or G6203 is required.<br>If either G6201 or G6202 is present, then the other is required.<br>If either G6203 or G6204 is present, then the other is required. | | | | | | | | | | |
| 85-01 | 80 | Stop Date(s) Qualifier<br>69 - Scheduled Pick-Up Date<br>70 - Scheduled Delivery Date | M | ID | 2/2 | 1 | 460 | O | 6 | 999 | 1 | S5 | G6201 | 432 | C | ID | 2/2 |
| 85-02 | 80 | Stop Date(s)<br>Use to satisfy claims and discrepancies. Scheduled date on which stop will occur. | M | DT | 8/8 | 1 | 460 | O | 6 | 999 | 1 | S5 | G6202 | 373 | C | DT | 8/8 |
| 85-03 | 80 | Stop Arrival/Departure Times Qualifier<br>ELEMENT CONDITION: Required if G6204 is used.<br>8 - Actual Pickup Time<br>9 - Actual Delivery Time<br>A - Actual Departure Time | C | ID | 1/1 | 1 | 460 | O | 6 | 999 | 1 | S5 | G6203 | 176 | C | ID | 1/2 |
| 85-04 | 80 | Stop Arrival/Departure Times<br>Scheduled time at which stop will occur. Use time format HHMM. | C | TM | 4/4 | 1 | 460 | O | 6 | 999 | 1 | S5 | G6204 | 337 | C | TM | 4/8 |
| 86 | 80 | **N1 SEGMENT - Stop Name of Party to Receive Shipment** | M | | | 1 | 490 | O | 1 | 5 | 2 | N1 | | | | | |
| | | | | | | | At least one of N102 or N103 is required.<br>If either N103 or N104 is present, then the other is required. | | | | | | | | | | |
| 86-01 | 80 | Stop Name Of Party To Receive Shipment Qualifier<br>LP - Loading Party<br>UP - Unloading Party | M | ID | 2/2 | 1 | 490 | O | 1 | 5 | 2 | N1 | N101 | 98 | M | ID | 2/3 |
| 86-02 | 80 | Stop Name Of Party To Receive Shipment<br>ELEMENT CONDITION: If stop DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the<br>clear text name of the stop is required. | C | AN | 1/35 | 1 | 490 | O | 1 | 5 | 2 | N1 | N102 | 93 | C | AN | 1/60 |
| 86-03 | 80 | Stop DoDAAC/CAGE/MAPAC Qualifier<br>Do not use CAGE code for ocean shipments.<br>10 - Department of Defense Activity Address Code (DODAAC)<br>33 - Commercial and Government Entity (CAGE)<br>A2 - Military Assistance Program Address Code (MAPAC) | M | ID | 2/2 | 1 | 490 | O | 1 | 5 | 2 | N1 | N103 | 66 | C | ID | 1/2 |

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| 86-04 | 80 | Stop DoDAAC/CAGE/MAPAC<br>If stop DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the stop is required.<br><br>[T_9 D-14 74/79] | M | AN | 5/6 | 1 | 490 | O | 1 | 5 | 2 | N1 | N104 | 67 | C | AN | 2/80<br>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. |
| 87 | 80 | **N2 SEGMENT - Stop Name of Party to Receive Shipment**<br>SEGMENT CONDITION: Use if stop name of party to receive shipment applies. | C | | | 1 | 500 | O | 2 | 5 | 2 | N1 | | | | | |
| 87-01 | 80 | Additional Name | M | AN | 1/35 | 1 | 500 | O | 2 | 5 | 2 | N1 | N201 | 93 | M | AN | 1/60 |
| 88 | 80 | **N3 SEGMENT - Stops**<br>SEGMENT CONDITION: Use if stop street address of party to receive shipment applies. | C | | | 1 | 510 | O | 2 | 5 | 2 | N1 | | | | | |
| 88-01 | 80 | Street | M | AN | 1/35 | 1 | 510 | O | 2 | 5 | 2 | N1 | N301 | 166 | M | AN | 1/55 |
| 88-02 | 80 | Additional Addressing Information | C | AN | 1/35 | 1 | 510 | O | 2 | 5 | 2 | N1 | N302 | 166 | O | AN | 1/55 |
| 89 | 80 | **N4 SEGMENT - Stops**<br>SEGMENT CONDITION: Use if stop city/state of party to receive shipment applies. | C | | | 1 | 520 | O | 1 | 5 | 2 | N1 | | | | | |
| 89-01 | 80 | City | C | AN | 2/19 | 1 | 520 | O | 1 | 5 | 2 | N1 | N401 | 19 | O | AN | 2/30<br>If N406 is present, then N405 is required.<br><br>A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location. |
| 89-02 | 80 | State<br>Also use for province if shipment is Canadian.<br><br>SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center | C | ID | 2/2 | 1 | 520 | O | 1 | 5 | 2 | N1 | N402 | 156 | O | ID | 2/2<br>N402 is required only if city name (N401) is in the U.S. or Canada. |
| 89-03 | 80 | Stop ZIP Code/Postal Code<br>SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents | C | ID | 3/15 | 1 | 520 | O | 1 | 5 | 2 | N1 | N403 | 116 | O | ID | 3/15 |
| 89-04 | 80 | Country Code<br>ELEMENT CONDITION: If stop is OCONUS, country code is required.<br><br>SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute. | C | ID | 2/3 | 1 | 520 | O | 1 | 5 | 2 | N1 | N404 | 26 | O | ID | 2/3 |

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| 90 | 80 | **PER SEGMENT - Stop Communication Numbers**<br>SEGMENT CONDITION: Use if stop communication numbers apply. | C | | | 1 | 540 | O | 3 | 5 | 2 | N1 | | | | | |
| | | | | | | | If either PER03 or PER04 is present, then the other is required.<br>If either PER05 or PER06 is present, then the other is required.<br>If either PER07 or PER08 is present, then the other is required. | | | | | | | | | | |
| 90-01 | 80 | Stop Communication Numbers Qualifier<br>IC - Information Contact | M | ID | 2/2 | 1 | 540 | O | 3 | 5 | 2 | N1 | PER01 | 366 | M | ID | 2/2 |
| 90-03 | 80 | Stop Communication Numbers Contact Qualifier<br>IT - International Telephone<br>TE - Telephone | M | ID | 2/2 | 1 | 540 | O | 3 | 5 | 2 | N1 | PER03 | 365 | C | ID | 2/2 |
| 90-04 | 80 | Stop Communication Numbers Contact | M | AN | 7/21 | 1 | 540 | O | 3 | 5 | 2 | N1 | PER04 | 364 | C | AN | 1/80 |
| 91 | 10 | **FA1 SEGMENT - Appropriation**<br>LOOP CONDITION: Carriers do not need to receive appropriation data. This segment begins the appropriation number loop. It calls for both FA1 and FA2 segments. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners.<br><br>If there is only one Transportation Accounting Code or Line of Accounting at the header level, then it applies to all shipments in that container. If there is TAC/LOA at the header level, and some of the line items in the container have their own TACs/LOAs and some do not, use the TACs/LOAs at the line item level for those specific shipments and default to the header TAC/LOA for all others. If there is an invalid TAC/LOA on a single line item we will use the header TAC/LOA. | C | | | 1 | 550 | O | 1 | >1 | 1 | FA1 | | | | | |
| 91-01 | 10 | Agency Qualifier Code<br>Code identifying the agency assigning the code values.<br><br>DF - Department of Defense (DoD)<br><br>DN - Department of the Navy<br><br>DX - United States Marine Corps<br><br>DY - Department of Air Force<br><br>DZ - Department of Army<br><br>HS - Department of Health and Human Services<br><br>*Use 'HS' to denote Department of Homeland Security/US Coast Guard (DHS/USCG).* | M | ID | 2/2 | 1 | 550 | O | 1 | >1 | 1 | FA1 | FA101 | 559 | M | ID | 2/2 |
| | | | | | | | FA101 Identifies the organization controlling the assignment of financial accounting information. | | | | | | | | | | |
| 92 | 10 | **FA2 SEGMENT - Appropriation Breakdown Structure**<br>This segment is MANDATORY if and only if the FA1 SEGMENT - Appropriation segment is used. Otherwise, this segment may not be used. | M | | | 1 | 560 | M | >1 | >1 | 1 | FA1 | | | | | |
| 92-01 | 10 | Breakdown Structure Detail Code<br>See Section 6 for list of data values. | M | ID | 2/2 | 1 | 560 | M | >1 | >1 | 1 | FA1 | FA201 | 1196 | M | ID | 2/2 |

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| 92-02 | 10 | Financial Information Code<br>When FA201 contains code value '84', FA202 should be formatted as a dollar amount including a decimal character and two positions after the decimal, representing cents even if the value is a whole dollar amount. | M | AN | 1/80 | 1 | 560 | M | >1 | >1 | 1 | FA1 | FA202 | 1195 | M | AN | 1/80 |
| 93 | 10 | **L10 SEGMENT - Appropriation Weight**<br>This segment is MANDATORY if and only if the FA1 SEGMENT - Appropriation segment is used. Otherwise, this segment may not be used. | M | | | 1 | 570 | O | 1 | >1 | 1 | FA1 | | | | | |
| 93-01 | 10 | Weight<br>Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. | M | R | 1/8 | 1 | 570 | O | 1 | >1 | 1 | FA1 | L1001 | 81 | M | R | 1/10 |
| 93-02 | 10 | Weight Qualifier<br>N - Actual Net Weight | M | ID | 1/1 | 1 | 570 | O | 1 | >1 | 1 | FA1 | L1002 | 187 | M | ID | 1/2 |
| 93-03 | 10 | Weight Unit Code<br>E - Metric Ton<br>G - Grams<br>K - Kilograms<br>L - Pounds<br>M - Measurement Ton<br>O - Ounces<br>S - Short Ton<br>T - Long Ton | M | ID | 1/1 | 1 | 570 | O | 1 | >1 | 1 | FA1 | L1003 | 188 | O | ID | 1/1 |
| 94 | 100 | **HL SEGMENT - Line Item Detail** | M | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| | | | | | | | 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.<br>The HL segment defines a top-down/left-right ordered structure. | | | | | | | | | | |
| 94-01 | 100 | Detail - Line Item Description Loop<br>Use the value '1' for the first HL loop and increment by 1 for each successive HL loop, regardless of usage of the HL loop. An HL Line Item Description Loop is generated for each DG 100. A shipment unit is identified by a single Transportation Control Number (TCN). Each commodity description cites the TCN it is grouped under. A shipment unit may cite multiple commodities. DG 100, commodity header information, describes one commodity (NMFC, UFC, DoD unique). The commodity detail information, DG 120, describes the type pack information in the L0 loop. There can be multiple type packs per line item. | M | N0 | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| | | | | | | | 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. | | | | | | | | | | |

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| 94-03 | 100 | Hierarchical Level Code<br>This code identifies the Line Item Description Loop.<br><br>I - Item | M | ID | 1/1 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| | | | | | | | 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. | | | | | | | | | | |
| 95 | 100 | **N7 SEGMENT - Primary Equipment Identifier**<br>SEGMENT CONDITION: This segment is required in the line item detail if the shipment moves on multiple pieces of primary equipment. Use this segment to associate the line item with the primary equipment on which it is conveyed. Associate with equipment identified in N7 segment, DataGroup 60. | C | | | 2 | 020 | O | 1 | >1 | 1 | HL | | | | | |
| | | | | | | | If either N703 or N704 is present, then the other is required.<br>If either N705 or N716 is present, then the other is required.<br>If either N708 or N709 is present, then the other is required. | | | | | | | | | | |
| 95-01 | 100 | Primary Equipment Initials<br>This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes initials of the furnished primary equipment in/on which the commodity is conveyed.<br><br>SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association<br><br>[T_2 9/12] | C | AN | 1/4 | 2 | 020 | O | 1 | >1 | 1 | HL | N701 | 206 | O | AN | 1/4 |
| | | | | | | | N701 is mandatory for rail transactions. | | | | | | | | | | |
| 95-02 | 100 | Primary Equipment Numbers<br>This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes numbers on the furnished primary equipment in/on which the commodity is conveyed.<br><br>[T_4 9/14] | M | AN | 1/10 | 2 | 020 | O | 1 | >1 | 1 | HL | N702 | 207 | M | AN | 1/10 |
| 96 | 100 | **NA SEGMENT - Shipper Equipment Numbers**<br>SEGMENT CONDITION: This segment required to indicate the mapping for shipper equipment numbers when applicable. Shipper equipment is that equipment/vehicle which is supplied/owned by the shipper. This includes DROMs, containers, and vans.<br><br>Shipper owned vehicles, like trucks, jeeps, and tanks, are identified using a different mapping of the NA segment in the HL Line Item Description Loop. See the following occurrence of the NA segment for mapping of vehicles information. | C | | | 2 | 030 | O | 1 | >1 | 1 | HL | | | | | |
| | | | | | | | If NA01 is present, then NA02 is required. | | | | | | | | | | |
| 96-03 | 100 | Shipper Equipment Initials<br>DODV - DoD Van and Container<br><br>DROM - Dromedary Equipment | M | AN | 4/4 | 2 | 030 | O | 1 | >1 | 1 | HL | NA03 | 206 | M | AN | 1/4 |
| | | | | | | | NA03 contains the equipment initial of an associated shipment and is required by rail.<br>If unknown, use NONZ for van or NONU for container. | | | | | | | | | | |
| 96-04 | 100 | Shipper Equipment Numbers<br>Use for Initials and Serial Number of the Shipper Owned Containers/DROMs. | M | AN | 1/10 | 2 | 030 | O | 1 | >1 | 1 | HL | NA04 | 207 | M | AN | 1/10 |
| | | | | | | | NA04 contains the equipment number of an associated shipment. | | | | | | | | | | |
| 97 | 100 | **NA SEGMENT - Military Vehicle Identification**<br>SEGMENT CONDITION: This segment required to indicate the mapping for shipper owned vehicles when applicable. This includes cars, jeeps, tanks, and trucks. See the previous occurrence of the NA segment for mapping of shipper equipment information. The model number maps to NTE SEGMENT - Vehicle Model Number. | C | | | 2 | 030 | O | 1 | >1 | 1 | HL | | | | | |
| | | | | | | | If NA01 is present, then NA02 is required. | | | | | | | | | | |

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| 97-01 | 100 | Military Vehicle Identification/Serial Number Qualifier<br>ELEMENT CONDITION: Required if NA02 is used.<br>SE - Serial Number<br>VT - Motor Vehicle ID Number | C | ID | 2/2 | 2 | 030 | O | 1 | >1 | 1 | HL | NA01 | 128 | O | ID | 2/3 |
| 97-02 | 100 | Military Vehicle Identification/Serial Number<br>Use VIN to describe the vehicles being moved. | C | AN | 1/30 | 2 | 030 | O | 1 | >1 | 1 | HL | NA02 | 127 | C | AN | 1/30 |
| 97-03 | 100 | Military Vehicle Initials (Filler)<br>NONX - Vehicle | M | AN | 4/4 | 2 | 030 | O | 1 | >1 | 1 | HL | NA03 | 206 | M | AN | 1/4 |
| | | | | | | | NA03 contains the equipment initial of an associated shipment and is required by rail.<br>If unknown, use NONZ for van or NONU for container. | | | | | | | | | | |
| 97-04 | 100 | Military Vehicle Bumper Number<br>Use 'NONE' if bumper number is unavailable. | M | AN | 1/10 | 2 | 030 | O | 1 | >1 | 1 | HL | NA04 | 207 | M | AN | 1/10 |
| | | | | | | | NA04 contains the equipment number of an associated shipment. | | | | | | | | | | |
| 98 | 100 | **M7 SEGMENT - Seals**<br>SEGMENT CONDITION: Required when seals are applied. | C | | | 2 | 040 | O | 5 | >1 | 1 | HL | | | | | |
| 98-01 | 100 | Seals On Shipper Owned Equipment<br>Use to describe seal applied to equipment (Containers, DROMs) owned by the shipper.<br>[T_9 D-13 66/73] | M | AN | 2/15 | 2 | 040 | O | 5 | >1 | 1 | HL | M701 | 225 | M | AN | 2/15 |
| 99 | 100 | **N9 SEGMENT - Requisition Number**<br>SEGMENT CONDITION: Required if available. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |
| 99-01 | 100 | Requisition Number Qualifier<br>RQ - Purchase Requisition Number | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 99-02 | 100 | Requisition Number<br>The requisition number which corresponds to the line item is carried in this data element.<br>[T_9 D-13 78/79] | M | AN | 14/17 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 100 | 100 | **N9 SEGMENT - TCN** | M | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |
| 100-01 | 100 | TCN Qualifier<br>TG - Transportation Control Number (TCN) | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |

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| 100-02 | 100 | TCN - Transportation Control Number<br>Every line item (HL Line Item Description Loop) should identify the TCN with which it is associated.<br>[T_9 D-13 78/79] | M | AN | 17/17 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 100-07 | | Transportation Tracking Number (TTN) Composite Header<br>COMPOSITE CONDITION: Required for unit move cargo when Transportation Tracking Number is<br>applicable. | C | CE | | 2 | 100 | O | 10 | >1 | 1 | HL | N907 | C040 | O | CE | |
| | | | | | | | If either C04003 or C04004 is present, then the other is required.<br>If either C04005 or C04006 is present, then the other is required. | | | | | | | | | | |
| 100-07-01 | | Transportation Tracking Number (TTN) Qualifier<br>18 - Plan Number<br>*Use '18' to denote Transportation Tracking Number (TTN).* | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | C04001 | 128 | M | ID | 2/3 |
| 100-07-02 | | Transportation Tracking Number (TTN). | M | AN | 17/17 | 2 | 100 | O | 10 | >1 | 1 | HL | C04002 | 127 | M | AN | 1/30 |
| 101 | 100 | **N9 SEGMENT - National Stock No./Manufacturer's Part No.**<br>SEGMENT CONDITION: Required if available. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |
| 101-01 | 100 | National Stock No./Manufacturer's Part No. Qualifier<br>This qualifier must appear if NSN is used. Use Manufacturer's Part Number if NSN is not available.<br>MF - Manufacturers Part Number<br>NS - National Stock Number | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 101-02 | 100 | National Stock No./Manufacturer's Part No.<br>[T_9 D-13 78/79] | M | AN | 1/30 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 102 | 100 | **N9 SEGMENT - Project Code**<br>SEGMENT CONDITION: Required if project code is used. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |
| 102-01 | 100 | Project Code Qualifier<br>P4 - Project Code | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 102-02 | 100 | Project Code<br>[T_9 D-13 78/79] | M | AN | 1/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 103 | 100 | **N9 SEGMENT - Stop Sequence Number Cross-Reference** | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |

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| 103-01 | 100 | Stop Sequence Number Cross-Reference Qualifier<br>QN - Stop Sequence Number | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 103-02 | 100 | Stop Sequence Number Cross-Reference<br>If stops apply to a shipment, a line item is identified with a stop by carrying the sequence number of the stop address in this data element. That sequence number appears in the S5 segment in the header area of the transaction set.<br>[T_9 D-13 78/79] | M | N0 | 1/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 104 | 100 | **N9 SEGMENT - External Tracking Number (XTN)**<br>SEGMENT CONDITION: Use for USML shipments. U.S. Customs' Automated Export System uses<br>this number. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |
| 104-01 | 100 | Reference Identification Qualifier<br>ED - Export Declaration | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 104-02 | 100 | Reference Identification<br>Use shipper DoDAAC plus TCN. | M | AN | 23/23 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 105 | 100 | **N9 SEGMENT - LIN Index Number**<br>SEGMENT CONDITION: Use for Army Unit moves. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |
| 105-01 | 100 | LIN Index Number Qualifier<br>BCI - Basic Contract Line Item Number | M | ID | 3/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 105-02 | 100 | LIN Index Number<br>[T_9 D-13 78/79] | M | AN | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 106 | 100 | **N9 SEGMENT - Line Item Number**<br>SEGMENT CONDITION: Use for Army Unit moves. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |
| 106-01 | 100 | Line Item Number Qualifier<br>LI - Line Item Identifier (Seller's) | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 106-02 | 100 | Line Item Number<br>[T_9 D-13 78/79] | M | AN | 1/6 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 107 | 100 | **N9 SEGMENT - Controlled Inventory Item Code (CIIC)**<br>SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required and if DoD-controlled item has a CIIC assigned. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |

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| 107-01 | 100 | Controlled Inventory Item Code (CIIC) Qualifier<br>M6 - Military Ordnance Security Risk Number<br>*Use 'M6' to denote Controlled Inventory Item Code (CIIC).* | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 107-02 | 100 | Controlled Inventory Item Code (CIIC)<br>SOURCE: DoD 4100.39-M (FLIS Manual) Volume 10, Table 61<br>[T_9 D-13 78/79] | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 108 | 100 | **N9 SEGMENT - DoD Identification Code (DoDIC)**<br>SEGMENT CONDITION: Required for DTTS if the hazardous shipment contains ammunition. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |
| 108-01 | 100 | DoDIC Qualifier<br>1I - Department of Defense Identification Code (DoDIC) | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 108-02 | 100 | DoDIC<br>Required for all ammunition and explosives. Also called Navy Ammunition Logistics Code (NALC).<br>[T_9 D-15 67/70] | M | AN | 4/4 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 109 | 100 | **L5 SEGMENT - Classification** | M | | | 2 | 130 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | | If either L503 or L504 is present, then the other is required.<br>If L507 is present, then L506 is required.<br>If either L508 or L509 is present, then the other is required. | | | | | | | | | | |
| 109-02 | 100 | Description Of Articles<br>Clear text description of the line item.<br>[T_8 11/14] | C | AN | 1/50 | 2 | 130 | O | 10 | >1 | 1 | HL | L502 | 79 | O | AN | 1/50 |
| | | | | | | | L502 may be used to send quantity information as part of the product description. | | | | | | | | | | |
| 109-03 | 100 | Classification Item No. (Commodity Code)<br>When the sub-item number is available, provide it in the last two positions of this element.<br>DIC reference is applicable only when qualified with the value 'I' in the L504.<br>[T_0 15/19] | M | AN | 1/8 | 2 | 130 | O | 10 | >1 | 1 | HL | L503 | 22 | C | AN | 1/30 |

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| 109-04 | 100 | Classification Item No. (Commodity Code) Qualifier<br>D - Department of Defense Unique Codes<br>I - Milstamp AITC or Water Commodity Code<br>N - National Motor Freight Classification (NMFC)<br>T - Standard Transportation Commodity Code (STCC)<br>U - Uniform Freight Classification (UFC) | M | ID | 1/1 | 2 | 130 | O | 10 | >1 | 1 | HL | L504 | 23 | C | ID | 1/1 |
| 109-06 | 100 | Number On Packages<br>Use to show descriptive marks and numbers on freight. | C | AN | 1/45 | 2 | 130 | O | 10 | >1 | 1 | HL | L506 | 87 | C | AN | 1/48 |
| 110 | 100 | **L5 SEGMENT - Privately Owned Vehicle**<br>SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise. | C | | | 2 | 130<br>If either L503 or L504 is present, then the other is required.<br>If L507 is present, then L506 is required.<br>If either L508 or L509 is present, then the other is required. | O | 10 | >1 | 1 | HL | | | | | |
| 110-02 | 100 | POV Make<br>ELEMENT CONDITION: If this segment appears, at least one of L502 and L506 must be used in this segment.<br>[T_8 11/14] | C | AN | 1/10 | 2 | 130<br>L502 may be used to send quantity information as part of the product description. | O | 10 | >1 | 1 | HL | L502 | 79 | O | AN | 1/50 |
| 110-06 | 100 | Vehicle Color<br>ELEMENT CONDITION: If this segment appears, at least one of L502 and L506 must be used in this segment. | C | AN | 1/8 | 2 | 130 | O | 10 | >1 | 1 | HL | L506 | 87 | C | AN | 1/48 |
| 111 | 190 | **LH6 SEGMENT - Certification Code (49 CFR Compliance)**<br>SEGMENT CONDITION: Required for HAZMAT shipments. | C | | | 2 | 134<br>If either LH602 or LH603 is present, then the other is required. | O | 5 | >1 | 1 | HL | | | | | |
| 111-01 | 190 | HAZMAT - Certifying Person (49CFR Compliance)<br>Clear text. MANDATORY for all hazardous material shipments.<br>SOURCE: 49 CFR 172.204 | M | AN | 1/35 | 2 | 134 | O | 5 | >1 | 1 | HL | LH601 | 93 | O | AN | 1/60 |
| 111-02 | 190 | HAZMAT - Certification Code (49 CFR Compliance)<br>1 - Abbreviated Hazardous Certification<br>2 - Long Form of Hazardous Certification | M | ID | 1/1 | 2 | 134 | O | 5 | >1 | 1 | HL | LH602 | 272 | C | ID | 1/1 |

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| 111-03 | 190 | HAZMAT - Certification Declaration (49 CFR Compliance)<br>Certification verbiage in accordance with 49 CFR 172.204. MANDATORY for all hazardous materials shipments. Verbiage that certifies the entire shipment should appear once in the first occurrence of the HL Line Item Description Loop.<br><br>SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications | M | AN | 1/25 | 2 | 134 | O | 5 | >1 | 1 | HL | LH603 | 273 | C | AN | 1/25 |
| 111-04 | 190 | HAZMAT - Certification Declaration (49 CFR Compliance)<br>ELEMENT CONDITION: Use for any remainder of certification verbiage exceeding 25 characters in LH603.<br><br>SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications | C | AN | 1/25 | 2 | 134 | O | 5 | >1 | 1 | HL | LH604 | 273 | O | AN | 1/25 |
| 112 | 190 | **NTE SEGMENT - 3PL Offer Record Number**<br>SEGMENT CONDITION: Use for 3PL coordinated shipments (DTCI or DFTS) only. Required for 3PL coordinated shipments. Matches the shipper's offer record numbers that appear in corresponding 219 Transportation Service Request and a 220 Transportation Service Response. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment. | | | | |
| 112-01 | 190 | 3PL Offer Record Number Qualifier<br>UPI - Updated Information<br><br>*Use 'UPI' to denote 3PL Offer Record Number Qualifier.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 112-02 | 190 | 3PL Offer Record Number | M | AN | 1/30 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 113 | 190 | **NTE SEGMENT - Vehicle Model Number**<br>SEGMENT CONDITION: Use to identify the model number for military vehicles as applicable. Required for ocean shipments. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment. | | | | |
| 113-01 | 1001 | Vehicle Model Number Qualifier<br>EED - Equipment Description | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 113-02 | 1001 | Vehicle Model Number<br>[T_9 D12 54/79] | M | AN | 1/10 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 114 | 190 | **NTE SEGMENT - Unit Line Number**<br>SEGMENT CONDITION: Use to identify unit line number as applicable. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment. | | | | |
| 114-01 | 2001 | Unit Line Number Qualifier<br>OTN - Another Type of Number Description | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |

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| 114-02 | 2001 | Unit Line Number<br>[T_9 D-12 54/79] | M | AN | 1/7 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 115 | 190 | **NTE SEGMENT - Transportation Tracking Account Number (TTAN)**<br>SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Account Number is applicable. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| | | | | | | | The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment. | | | | | | | | | | |
| 115-01 | 190 | Transportation Tracking Account Number (TTAN) Qualifier<br>TCF - Tariff Commodity Footnotes<br>*Use 'TCF' to denote Transportation Tracking Account Number (TTAN).* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 115-02 | 190 | Transportation Tracking Account Number (TTAN) | M | AN | 13/13 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 116 | 190 | **NTE SEGMENT - Other Information**<br>SEGMENT CONDITION: For non-ocean shipments, use to indicate line item level special instructions.<br>Ocean shipments use for additional comments information or rating information as needed. Repeat once for each qualifier. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| | | | | | | | The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment. | | | | | | | | | | |
| 116-01 | 190 | Other Information Qualifier Code<br>Shipments by other than ocean use code value 'OTH'. Ocean shipments use code values 'CIG', 'LIQ', 'ADD', and 'OCR'.<br>ADD - Additional Information<br>CIG - Cigarette Information<br>LIQ - Liquor Information<br>OCR - Outside the Continental U.S. (OCONUS) Rating Information<br>OTH - Other Instructions | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 116-02 | 190 | Other Information<br>Shipments by other than ocean enter clear text information related to the line item such as velocity management instructions. Ocean shipments enter values depending on code value in NTE01 as follows: With code value 'OCR' use tariff for CONUS to Hawaii/Guam Rating Information. With code value 'CIG' or 'LIQ' use cigarette or liquor information. Repeat segment until all cigarette or liquor data has been entered.<br>[T_9 D-12 54/79] | M | AN | 1/80 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |

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| 117 | 120 | **L0 SEGMENT - Billed/Rated Quantity**<br>CHANGE NOTE: Segment condition updated per DM 1043. Repeat the L0 loop if there is more than one set of oversized dimensions for the same item. | M | | | 2 | 145 | O | 1 | 20 | 2 | L0 | | | | | |
| | | | | | | | If either L002 or L003 is present, then the other is required.<br>If either L004 or L005 is present, then the other is required.<br>If either L006 or L007 is present, then the other is required.<br>If either L008 or L009 is present, then the other is required.<br>If L011 is present, then L004 is required.<br>If either L013 or L015 is present, then the other is required. | | | | | | | | |
| 117-02 | 120 | Billed/Rated Quantity<br>A commodity is a single type of product or material. Transportation of a commodity is usually billed/rated by units of freight weight. A line item on a transportation bill describes a single commodity. The quantity of a line item commodity is described here in the L0 segment in the HL Detail - Line Item Description Loop. One L0 segment occurs for each type pack under the line item. There may be many line items, i.e., HL Line Item Description Loop, of the same commodity. Two rules must be followed when constructing an L0 segment: 1) If the billed/rated quantity is expressed as freight weight, it appears here. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. The L004, L005, and L011 elements are not used. 2) If the billed/rated quantity is other than weight, such as barrels or gallons in the case of a pipeline shipment, it also appears here. If entry does not contain a decimal, decimal is assumed at right-most point of the field. In addition, the L004, L005, and L011 elements are used to carry the weight information, if required. For ocean shipments, enter line item weight. | M | R | 1/8 | 2 | 145 | O | 1 | 20 | 2 | L0 | L002 | 220 | C | R | 1/11 |
| 117-03 | 120 | Billed/Rated Quantity Qualifier<br>BA - Barrels<br>GL - Gallon<br>LB - Pound | M | ID | 2/2 | 2 | 145 | O | 1 | 20 | 2 | L0 | L003 | 221 | C | ID | 2/2 |
| 117-04 | 120 | Freight Weight<br>Freight weight of line item described in pounds only. Freight weight is the weight that line haul rate is based on and may include skid, pallet, and dunnage weights, depending on the applicable tender. Skid, pallet, and dunnage weights are carried in separate MEA segments. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. See the next occurrence of the MEA segment for the weight breakdown for packing materials. Decimals are not used for ocean shipments.<br>[T_2 72/76] | C | R | 1/8 | 2 | 145 | O | 1 | 20 | 2 | L0 | L004 | 81 | C | R | 1/10 |
| 117-05 | 120 | Freight Weight Qualifier<br>ELEMENT CONDITION: Required if L004 is used.<br>See Section 6 for list of data values. | C | ID | 1/2 | 2 | 145 | O | 1 | 20 | 2 | L0 | L005 | 187 | C | ID | 1/2 |
| 117-06 | 120 | Cube<br>Cube of line item.<br>[T_7 77/80] | M | R | 1/8 | 2 | 145 | O | 1 | 20 | 2 | L0 | L006 | 183 | C | R | 1/8 |

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| 117-07 | 120 | Cube Qualifier<br>E - Cubic Feet<br>G - Gallons<br>H - Hundreds of Measurement Tons<br>S - Measurement Ton<br>V - Liter<br>X - Cubic Meters | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L007 | 184 | C | ID | 1/1 |
| 117-08 | 120 | Type Pack Quantity<br>Enter the Type Pack Quantity. For ocean shipments, enter number of pieces.<br>[T_0 68/71] | M | N0 | 1/7 | 2 | 145 | O | 1 | 20 | 2 | L0 | L008 | 80 | C | N0 | 1/7 |
| | | | | | | | L008 is the number of handling units of the line item tendered to the carrier. | | | | | | | | | | |
| 117-09 | 120 | Type Pack Qualifier<br>Code for packaging form of the lading quantity.<br>SOURCE: Reference Section 6.0 of this IC for code values using the table that contains the applicable type pack qualifier. Common code values associated with multiple definitions prevents documentation of the entire sub-set.<br>[T_0 28/29] | M | ID | 3/3 | 2 | 145 | O | 1 | 20 | 2 | L0 | L009 | 211 | C | ID | 3/3 |
| 117-10 | 120 | Type Pack Sub Qualifier<br>Material used to protect lading.<br>ELEMENT CONDITION: Use this value to identify specific MSCVAN and SEAVAN configurations.<br>SOURCE: Reference Section 6.0 of this IC for code values using the table that contains the applicable type pack qualifier. Common code values associated with multiple definitions prevents documentation of the entire sub-set.<br>[T_7 54/67] | C | AN | 2/2 | 2 | 145 | O | 1 | 20 | 2 | L0 | L010 | 458 | O | AN | 2/25 |

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| 117-11 | 120 | Freight Weight Unit Code<br>ELEMENT CONDITION: Required if L004 is used.<br>E - Metric Ton<br>G - Grams<br>K - Kilograms<br>L - Pounds<br>M - Measurement Ton<br>O - Ounces<br>S - Short Ton<br>T - Long Ton | C | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L011 | 188 | O | ID | 1/1 |
| 117-13 | 120 | Over-dimensional Pieces, Quantity<br>Used to indicate the number of oversized pieces. If there are multiple over-dimensional items (all the same size), send as one line item and indicate total quantity here.<br>Required for ocean shipments when there is more than one set of oversized dimensions for the same item. | C | R | 1/15 | 2 | 145<br>L013 can only be used if the code in L009 is PLT, SKD, or SLP.<br>L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item. | O | 1 | 20 | 2 | L0 | L013 | 380 | C | R | 1/15 |
| 117-15 | 120 | Oversized Item Indicator<br>ELEMENT CONDITION: Required if L013 is used. Required for ocean shipments when there is more than one set of oversized dimensions for the same item.<br>N - No<br>Y - Yes | C | ID | 1/1 | 2 | 145<br>L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify. | O | 1 | 20 | 2 | L0 | L015 | 1073 | C | ID | 1/1 |
| 118 | 120 | **L1 SEGMENT - Declared Value of Bill of Lading Line Item**<br>SEGMENT CONDITION: Declared value is required for all shipments that will be processed through a foreign host nation's customs and border clearance program. | C | | | 2 | 150<br>If either L102 or L103 is present, then the other is required.<br>At least one of L104, L105, or L106 is required.<br>If either L114 or L115 is present, then the other is required.<br>If either L117 or L118 is present, then the other is required. | O | 20 | 20 | 2 | L0 | | | | | |
| 118-04 | 120 | Charge<br>Code identifying the type of identification number of Depository Financial Institution (DFI)<br>00 - Use value '00' to meet X12 syntax requirements. | M | N2 | 1/8 | 2 | 150 | O | 20 | 20 | 2 | L0 | L104 | 58 | C | N2 | 1/12 |
| 118-14 | 120 | Declared Value<br>Enter the actual value or selling price per TCN (include total bill of lading line item quantity cost). | M | N2 | 2/12 | 2 | 150 | O | 20 | 20 | 2 | L0 | L114 | 74 | C | N2 | 2/12 |

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| 118-15 | 120 | Rate/Value Qualifier<br>CO - Cost per Unit<br>*Use 'CO' to denote Total Cost per TCN.* | M | ID | 2/2 | 2 | 150 | O | 20 | 20 | 2 | L0 | L115 | 122 | C | ID | 2/2 |
| 119 | 120 | **MEA SEGMENT - Packaging Material Weight**<br>SEGMENT CONDITION: Use to provide weight breakout per type pack per commodity per shipment unit. | C | | | 2 | 160 | O | 10 | 20 | 2 | L0 | | | | | |
| | | | | | | | At least one of MEA03, MEA05, MEA06, or MEA08 is required.<br>If MEA05 is present, then MEA04 is required.<br>If MEA06 is present, then MEA04 is required.<br>If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required.<br>Only one of MEA08 or MEA03 may be present. | | | | | | | | | | | |
| 119-01 | 120 | Packaging Material Qualifier<br>Weight breakout per type pack per commodity per shipment unit is carried in the MEA segment. For each type of packing material weight breakout, use an individual MEA segment.<br>DN - Dunnage Dimension<br>PA - Pallet Dimensions<br>SK - Skid Dimensions | M | ID | 2/2 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA01 | 737 | O | ID | 2/2 |
| 119-02 | 120 | Packaging Material Weight Qualifier<br>B - Billed Weight | M | ID | 1/1 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA02 | 738 | O | ID | 1/3 |
| 119-03 | 120 | Packaging Material Weight<br>The weight for any component of the packaging material (e.g. skid, pallet, dunnage weights). Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.<br>[T_9 D-21 13/16] | M | R | 1/8 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA03 | 739 | C | R | 1/20 |
| 119-04 | | Unit or Basis for Measurement Code<br>C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter. | M | CE | | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA04 | C001 | C | CE | |
| 119-04-01 | | Unit or Basis for Measurement Code<br>By placing code value 'PN' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element.<br>PN - Pounds Net | M | ID | 2/2 | 2 | 160 | C | 10 | 20 | 2 | L0 | C00101 | 355 | M | ID | 2/2 |
| 120 | 120 | **MEA SEGMENT - Shipped Dimensions**<br>SEGMENT CONDITION: Required if the shipment is oversize or if air shipment. (GFM needs dimensions to cost air shipment.) All dimensions are required for all 3PL carrier shipments. | C | | | 2 | 160 | O | 10 | 20 | 2 | L0 | | | | | |
| | | | | | | | At least one of MEA03, MEA05, MEA06, or MEA08 is required.<br>If MEA05 is present, then MEA04 is required.<br>If MEA06 is present, then MEA04 is required.<br>If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required.<br>Only one of MEA08 or MEA03 may be present. | | | | | | | | | | | |

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| 120-01 | 120 | Shipped Dimensions Information Qualifier<br>SD - Shipped Dimensions | M | ID | 2/2 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA01 | 737 | O | ID | 2/2 |
| 120-02 | 120 | Shipped Dimensions Qualifier<br>GFM will calculate oversize dimensions from shipper provided information.<br>HT - Height<br>LN - Length<br>WD - Width | M | ID | 2/2 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA02 | 738 | O | ID | 1/3 |
| 120-03 | 120 | Shipped Dimensions Units<br>Use for values of oversize dimensions.<br>[T_9 D-21 13/16] | M | N0 | 1/10 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA03 | 739 | C | R | 1/20 |
| 120-04 | | Unit or Basis for Measurement Code<br>C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter. | M | CE | | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA04 | C001 | C | CE | |
| 120-04-01 | | English Measurement Code<br>By placing code value 'FT' or 'IN' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element.<br>FT - Foot<br>IN - Inch | M | ID | 2/2 | 2 | 160 | C | 10 | 20 | 2 | L0 | C00101 | 355 | M | ID | 2/2 |
| 121 | 120 | **MEA SEGMENT - Net Explosive Weight (English)**<br>SEGMENT CONDITION: Required for all shipment modes; include if available. English (and metric) units are required to comply with 49 CFR 171.10.<br>For OCONUS shipments, NEW facilitates compliance with 1MDGC. | C | | | 2 | 160 | O | 10 | 20 | 2 | L0 | At least one of MEA03, MEA05, MEA06, or MEA08 is required.<br>If MEA05 is present, then MEA04 is required.<br>If MEA06 is present, then MEA04 is required.<br>If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required.<br>Only one of MEA08 or MEA03 may be present. | | | | | |
| 121-01 | 120 | Net Explosive Weight Qualifier<br>NX - Net Explosive Weight | M | ID | 2/2 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA01 | 737 | O | ID | 2/2 |
| 121-03 | 120 | Net Explosive Weight<br>If net explosive weight is available for an individual line item, carry that weight in this data element. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.<br>[T_9 D-21 13/16] | M | R | 1/8 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA03 | 739 | C | R | 1/20 |
| 121-04 | | Composite Unit of Measurement Code | M | CE | | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA04 | C001 | C | CE | |

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| 121-04-01 | | Net Explosive Weight Qualifier (English)<br>Both metric and English units are required to comply with 49 CFR 171.10. By placing these code values (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. Use 'GA' if explosive is wet. Use 'PN' if explosive is dry.<br><br>GA - Gallon<br><br>PN - Pounds Net | M | ID | 2/2 | 2 | 160 | C | 10 | 20 | 2 | L0 | C00101 | 355 | M | ID | 2/2 |
| 122 | 120 | **MEA SEGMENT - Net Explosive Quantity (Metric)**<br>SEGMENT CONDITION: Required if available. Metric (and English) units are required to comply with 49 CRF 171.10.<br><br>For OCONUS shipments, NEW facilitates compliance with 1MDGC. | C | | | 2 | 160 | O | 10 | 20 | 2 | L0 | | | | | |
| | | | | | | | At least one of MEA03, MEA05, MEA06, or MEA08 is required.<br>If MEA05 is present, then MEA04 is required.<br>If MEA06 is present, then MEA04 is required.<br>If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required.<br>Only one of MEA08 or MEA03 may be present. | | | | | | | | | | | |
| 122-01 | 120 | Net Explosive Quantity Qualifier<br>WT - Weights<br><br>*Use 'WT' to denote Net Explosive Quantity.* | M | ID | 2/2 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA01 | 737 | O | ID | 2/2 |
| 122-03 | 120 | Net Explosive Quantity<br>Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.<br><br>[T_9 D-21 13/16] | M | R | 1/8 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA03 | 739 | C | R | 1/20 |
| 122-04 | | Composite Unit of Measurement Code | M | CE | | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA04 | C001 | C | CE | |
| 122-04-01 | | Net Explosive Quantity Qualifier (Metric)<br>By placing these code values (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. Use 'KG' if explosive is dry. Use 'LT' if explosive is wet.<br><br>KG - Kilogram<br><br>LT - Liter | M | ID | 2/2 | 2 | 160 | C | 10 | 20 | 2 | L0 | C00101 | 355 | M | ID | 2/2 |
| 123 | 120 | **MEA SEGMENT - Round Count**<br>SEGMENT CONDITION: Required if shipment contains ammunition. | C | | | 2 | 160 | O | 10 | 20 | 2 | L0 | | | | | |
| | | | | | | | At least one of MEA03, MEA05, MEA06, or MEA08 is required.<br>If MEA05 is present, then MEA04 is required.<br>If MEA06 is present, then MEA04 is required.<br>If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required.<br>Only one of MEA08 or MEA03 may be present. | | | | | | | | | | | |
| 123-01 | 120 | Round Count Qualifier<br>CT - Counts | M | ID | 2/2 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA01 | 737 | O | ID | 2/2 |

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| 123-03 | 120 | Round Count<br>[T_9 D-21 13/16] | M | N0 | 1/8 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA03 | 739 | C | R | 1/20 |
| 123-04 | | Composite Unit of Measurement Code | M | CE | | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA04 | C001 | C | CE | |
| 123-04-01 | | Round Count Qualifier<br>By placing code value 'RO' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element.<br>RO - Round | M | ID | 2/2 | 2 | 160 | C | 10 | 20 | 2 | L0 | C00101 | 355 | M | ID | 2/2 |
| 124 | 120 | **L0 SEGMENT - Ammunition Lot Number/Number of Pieces**<br>LOOP CONDITION: Required for ocean shipments if shipment contains ammunition. Report pieces, weight, cube and ammunition lot number. Report also in MEA segment (Round Count). | C | | | 2 | 145 | O | 1 | 20 | 2 | L0 | If either L002 or L003 is present, then the other is required.<br>If either L004 or L005 is present, then the other is required.<br>If either L006 or L007 is present, then the other is required.<br>If either L008 or L009 is present, then the other is required.<br>If L011 is present, then L004 is required.<br>If either L013 or L015 is present, then the other is required. | | | | | |
| 124-04 | 120 | Weight<br>[T_7 72/76] | C | R | 1/10 | 2 | 145 | O | 1 | 20 | 2 | L0 | L004 | 81 | C | R | 1/10 |
| 124-05 | 120 | Weight Qualifier<br>A1 - Dimensional Weight<br>FR - Freight Weight | C | ID | 2/2 | 2 | 145 | O | 1 | 20 | 2 | L0 | L005 | 187 | C | ID | 1/2 |
| 124-06 | 120 | Cube<br>ELEMENT CONDITION: Required for ocean shipments.<br>[T_7 68/71] | C | R | 1/8 | 2 | 145 | O | 1 | 20 | 2 | L0 | L006 | 183 | C | R | 1/8 |
| 124-07 | 120 | Cube Qualifier<br>E - Cubic Feet | C | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L007 | 184 | C | ID | 1/1 |
| 124-08 | 120 | Number of Pieces<br>ELEMENT CONDITION: Required for ocean shipments.<br>[T_7 77/80] | C | N0 | 1/7 | 2 | 145 | O | 1 | 20 | 2 | L0 | L008 | 80 | C | N0 | 1/7 |
| | | | | | | | L008 is the number of handling units of the line item tendered to the carrier. | | | | | | | | | | |
| 124-09 | 120 | Packaging Form Code (for number of pieces)<br>PCS - Pieces | C | ID | 3/3 | 2 | 145 | O | 1 | 20 | 2 | L0 | L009 | 211 | C | ID | 3/3 |

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| 124-10 | 120 | Ammunition Lot Number<br>Use leading zero as necessary to provide a minimum of two characters.<br>[T_7 54/67] | C | AN | 2/14 | 2 | 145 | O | 1 | 20 | 2 | L0 | L010 | 458 | O | AN | 2/25 |
| 125 | 120 | **L0 SEGMENT - Dimensional Weight**<br>LOOP CONDITION: Use when dimensional weight applies. Dimensional Weight is the chargeable weight computed on the basis of volume rather than actual weight. GFM will calculate the Dimensional Weight based on dimensions passed in the MEA segments. Shipper systems do not need to provide the Dimensional Weight. | C | | | 2 | 145<br>If either L002 or L003 is present, then the other is required.<br>If either L004 or L005 is present, then the other is required.<br>If either L006 or L007 is present, then the other is required.<br>If either L008 or L009 is present, then the other is required.<br>If L011 is present, then L004 is required.<br>If either L013 or L015 is present, then the other is required. | O | 1 | 20 | 2 | L0 | | | | | |
| 125-04 | 120 | Dimensional Weight<br>When applicable, dimensional weight shall be calculated using the following formula:<br>Length x Width x Height divided by 194 equals dimensional weight (all measurements in inches).<br>[T_2 72/76] | M | R | 1/10 | 2 | 145 | O | 1 | 20 | 2 | L0 | L004 | 81 | C | R | 1/10 |
| 125-05 | 120 | Dimensional Weight Qualifier<br>A1 - Dimensional Weight | M | ID | 2/2 | 2 | 145 | O | 1 | 20 | 2 | L0 | L005 | 187 | C | ID | 1/2 |
| 125-11 | 120 | Weight Unit Code<br>E - Metric Ton<br>G - Grams<br>K - Kilograms<br>L - Pounds<br>M - Measurement Ton<br>O - Ounces<br>S - Short Ton<br>T - Long Ton | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L011 | 188 | O | ID | 1/1 |
| 126 | 190 | **LH1 SEGMENT - HAZMAT Quantities**<br>LOOP CONDITION: DG 190 required if the shipment contains hazardous material and/or the Defense Transportation Tracking System (DTTS) is required. | C | | | 2 | 170 | O | 1 | 100 | 2 | LH1 | | | | | |

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| 126-01 | 190 | HAZMAT - Unit Of Measure Code<br>Contains the code identifying the Unit of Measure (type of packaging) for which the data in LH102 is reported. Use LH106 to express weight and volume.<br><br>SOURCE: Reference Section 6.0 of this IC for code values using applicable tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.<br><br>Sample Values: BA, BD, BG, BX, CH | M | ID | 2/2 | 2 | 170 | O | 1 | 100 | 2 | LH1 | LH101<br>LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements. | 355 | M | ID | 2/2 |
| 126-02 | 190 | HAZMAT - Lading Quantity<br>Contains the number of units (pieces) of the lading commodity that is Hazardous.<br><br>SOURCE: 49 CFR 172.202(c)<br><br>[T_9 D-15 54/79] | M | N0 | 1/7 | 2 | 170 | O | 1 | 100 | 2 | LH1 | LH102 | 80 | M | N0 | 1/7 |
| 126-03 | 190 | HAZMAT - UN/NA ID Code<br>SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications<br><br>[T_6 74/79] | M | ID | 6/6 | 2 | 170 | O | 1 | 100 | 2 | LH1 | LH103 | 277 | O | ID | 6/6 |
| 126-06 | 190 | HAZMAT - English Measurement Code<br>Use the unit of measure codes for quantity or volume of non bulk shipments. This will typically be pounds, cubic feet, or a unit of measure other than pieces. If the weight of the hazardous material is measured in other than the above listed Weight Units of Measure, refer to X12 Standard, DE 355. Use LH101 to express type of packaging.<br><br>ELEMENT CONDITION: Required if LH107 is used. At least one LH106/LH107 or LFH05/LFH06 are required to pass the HAZMAT unit of measure and quantity. If an English and Metric unit of measure are available, both are required.<br><br>See Section 6 for list of data values. | C | ID | 2/2 | 2 | 170 | O | 1 | 100 | 2 | LH1 | LH106<br>LH106 and LH107 are used to convey the quantity or volume and unit of measure for nonbulk shipments only. | 355 | O | ID | 2/2 |
| 126-07 | 190 | HAZMAT - Quantity<br>Quantity refers to the amount (i.e., weight in pounds, volume in cubic feet, or other such measurement) of the hazardous material commodity that is to be transported. | C | R | 1/15 | 2 | 170 | O | 1 | 100 | 2 | LH1 | LH107 | 380 | O | R | 1/15 |
| 126-09 | 190 | HAZMAT - Residue Indicator Code<br>Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded. Use code value 'R' to indicate that the unit being shipped is empty and contains a residue from a prior movement.<br><br>SOURCE: 49 CFR 172.203(e)<br><br>R - Residue Last Contained Description (Tank Car) | C | ID | 1/1 | 2 | 170 | O | 1 | 100 | 2 | LH1 | LH109<br>In LH109, a value of "R" or "P" requires that the receiver generate the words "residue: last contained" prior to the shipping name in accordance with regulations. | 665 | O | ID | 1/1 |

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| 126-10 | 190 | HAZMAT - Packing Group Code<br>Indicate the required packing group using Roman Numeral I, II, or III to indicate the degree of danger.<br><br>SOURCE: 49 CFR, Table 172.101 | C | ID | 1/3 | 2 | 170 | O | 1 | 100 | 2 | LH1 | LH110 | 254 | O | ID | 1/3 |
| 127 | 190 | **LH2 SEGMENT - HAZMAT Classification**<br>SEGMENT CONDITION: Required for loaded and unloaded HAZMAT shipments. | C | | | 2 | 180 | O | 4 | 100 | 2 | LH1 | | | | | |
| | | | | | | | If either LH206 or LH207 is present, then the other is required.<br>If either LH208 or LH209 is present, then the other is required.<br>If either LH210 or LH211 is present, then the other is required. | | | | | | | | | | |
| 127-01 | 190 | HAZMAT - Hazardous Class/Division<br>Identify the hazard class or division prescribed for the material as shown in column 3 of 49 CFR Table 172.101. If there is no hazard class or division, use the code in that column, such as ORM-D (Other Regulated Material), reference 49 CFR 173.2. If there is a subsidiary hazard but no hazard class or division, use code value 'NA'. A material for which the entry in this column is 'Forbidden' may not be offered for transportation nor be transported. This segment needs to be repeated for each subsidiary hazard.<br><br>SOURCE: 49 CFR 172.101;49 CFR 173.2<br><br>[T_6 71/72] | M | ID | 1/30 | 2 | 180 | O | 4 | 100 | 2 | LH1 | LH201 | 215 | O | ID | 1/30 |
| 127-02 | 190 | HAZMAT - Hazard Class Qualifier<br>Repeat the LH2 segment as necessary to identify the primary and each subsidiary (secondary) hazard of the material being shipped.<br><br>P - Primary<br><br>S - Secondary | M | ID | 1/1 | 2 | 180 | O | 4 | 100 | 2 | LH1 | LH202 | 983 | O | ID | 1/1 |
| 127-05 | 190 | HAZMAT - Reportable Quantity<br>For empty packagings or units containing the residue of a hazardous material.<br><br>ELEMENT CONDITION: Required if necessary to indicate a reportable quantity is present in the shipment.<br><br>SOURCE: 49 CFR 172.203(e)<br><br>RQ - Reportable Quantity | C | ID | 2/2 | 2 | 180 | O | 4 | 100 | 2 | LH1 | LH205 | 759 | O | ID | 2/2 |
| 127-06 | 190 | HAZMAT Flashpoint Temperature Code<br>ELEMENT CONDITION: Required if LH207 is used.<br><br>CE - Centigrade, Celsius<br><br>*Use 'CE' to denote Centigrade.*<br><br>FA - Fahrenheit | C | ID | 2/2 | 2 | 180 | O | 4 | 100 | 2 | LH1 | LH206 | 355 | C | ID | 2/2 |
| | | | | | | | LH206 and LH207 indicate the flashpoint temperature. | | | | | | | | | | |

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| 127-07 | 190 | HAZMAT Flashpoint Temperature | C | R | 1/4 | 2 | 180 | O | 4 | 100 | 2 | LH1 | LH207 | 408 | C | R | 1/4 |
| 128 | 190 | **LH3 SEGMENT - HAZMAT Names**<br>SEGMENT CONDITION: Required for empty/unloaded HAZMAT shipments; this segment should contain the last contents shipping name. | C | | | 2 | 190<br>If either LH301 or LH302 is present, then the other is required. | O | 12 | 100 | 2 | LH1 | | | | | |
| 128-01 | 190 | HAZMAT - Proper Shipping Name<br>MANDATORY for all hazardous material shipments including ammunition and explosives. Create additional LH301 segment(s) for remainder of Proper Shipping Name exceeding 25 characters.<br><br>SOURCE: 49 CFR 172.101; 49 CFR 172.202<br><br>[T_9 D-15 54/79] | M | AN | 1/25 | 2 | 190 | O | 12 | 100 | 2 | LH1 | LH301 | 224 | C | AN | 1/25 |
| 128-02 | 190 | HAZMAT - Proper Shipping Name Qualifier<br>C - Canadian Shipping Name<br><br>D - Domestic (United States) Shipping Name<br><br>I - International Shipping Name | M | ID | 1/1 | 2 | 190 | O | 12 | 100 | 2 | LH1 | LH302 | 984 | C | ID | 1/1 |
| 128-03 | 190 | HAZMAT - N.O.S. Indicator Code<br>If this field is used, an LFH segment must follow using code value 'TEC' in LFH01.<br><br>NOS - N.O.S. Regulatory Requirements Apply | C | ID | 3/3 | 2 | 190 | O | 12 | 100 | 2 | LH1 | LH303 | 985 | O | ID | 3/3 |
| 129 | 190 | **LFH SEGMENT - HAZMAT Remarks**<br>SEGMENT CONDITION: Required for HAZMAT shipments requiring specific labeling. | C | | | 2 | 191<br>If either LFH05 or LFH06 is present, then the other is required. | O | 20 | 100 | 2 | LH1 | | | | | |

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| 129-01 | 190 | HAZMAT - Additional Basic Description Information Qualifier | M | ID | 3/3 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH01 | 808 | M | ID | 3/3 |
| | | Contains the hazardous material shipment information qualifier indicating the type of information being passed. MANDATORY for all explosives unless otherwise noted in 49 CFR 172.320. Use interim EX-number for explosives waiting for final classification.If the X12 code definition accompanying a LFH01 code value contains text in quotations, place the part in quotations in LFH02. If the code definition contains no quotations, see the user note in LFH02 for further guidance. Use code value 'ADI' to denote 'Other information not accounted for in the code list'. Use code value 'TEC' in this data element to indicate that the N.O.S. indicator is specified in LH303. Enter additional information that must appear in association with the shipment's basic description according to 49 CFR. Use additional occurrences of LFH segment as necessary for each code that applies to shipment.<br><br>SOURCE: 49 CFR<br><br>ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper<br><br>DWW - "Dangerous When Wet" Declaration<br><br>HOT - Identifies Products in a Heated Molten State<br><br>HZC - Hazardous Substance Constituents<br><br>LQY - "Limited Quantity" Declaration<br><br>MOS - Maximum Operating Speed<br><br>MPI - Marine Pollutant<br><br>PIH - "Poison - Inhalation Hazard" Declaration<br><br>POI - Poison Declaration<br><br>*Use 'POI' to denote "Poison" Declaration.*<br><br>RAM - Radioactive Material Data<br><br>TEC - Technical or Chemical Group Name | | | | | | | | | | | | | | | | |
| 129-02 | 190 | HAZMAT - Additional Basic Description Information | M | AN | 1/25 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH02 | 809 | M | AN | 1/25 |
| | | Contains specific information about the hazardous material shipment. When applicable, use the descriptive narrative from LFH01. If LFH01 = 'ADI', use this element for any overflow information from LFH01 or 49 CFR except Proper Shipping Name. Use LFH03 for additional overflow. If LFH01 = 'PIH', enter 'Poisonous - Inhalation Hazard, Zone X', where X is the code designated in LFH04. If LFH01 = 'HOT', enter 'HOT' [See 49 CFR 172.203(n)]. If LFH01 = 'RAM', enter the appropriate text in quotes as specified by 49 CFR 172.203(d). If LFH01 = 'LQY', enter 'Ltd Qty' or 'Limited Quantity'. If LFH01 = 'HZC', enter 'Hazardous substance constituents.' If LFH01 = 'MOS', enter 'Maximum operating speed.' If LFH01 = 'MPI', enter 'Marine Pollutant.' For N.O.S. code (LFH01 = 'TEC'), enter the technical or chemical group name in parentheses. Place overflow in LFH03. Do not close parentheses until end of description is reached.<br><br>[T_9 D-15 54/79] | | | | | | | | | | | | | | | | |

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| 129-03 | 190 | HAZMAT - Additional Information<br>Use for description overflow from LFH02. Use LFH01, 02, and 03 as a set and repeat loop as necessary to convey all additional basic description information. | C | AN | 1/25 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH03 | 809 | O | AN | 1/25 |
| 129-04 | 190 | HAZMAT - Hazard Zone Code<br>Contains the code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone.<br><br>ELEMENT CONDITION: Use applicable Hazard Zone Code when LFH01 = PIH.<br><br>A - Hazard Zone A<br><br>B - Hazard Zone B<br><br>C - Hazard Zone C<br><br>D - Hazard Zone D | C | ID | 1/1 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH04 | 1023 | O | ID | 1/1 |
| 130 | 190 | **LFH SEGMENT - Round Count**<br>SEGMENT CONDITION: Required for TC-AIMS II moves only. | C | | | 2 | 191 | O | 20 | 100 | 2 | LH1 | | | | | |
| | | | | | | | If either LFH05 or LFH06 is present, then the other is required. | | | | | | | | | | |
| 130-01 | 190 | HAZMAT- Information Qualifier<br>Use code value 'ADI' to satisfy X12 syntax requirements.<br><br>ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper | M | ID | 3/3 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH01 | 808 | M | ID | 3/3 |
| 130-02 | 190 | HAZMAT- Round Count Identifier<br>Specific information required by law for hazardous material shipments. Enter value 'CT' to indicate segment contains HAZMAT Round Count Information.<br><br>CT | M | AN | 2/2 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH02 | 809 | M | AN | 1/25 |
| 130-05 | 190 | HAZMAT- Round Count Qualifier<br>RO - Round | M | ID | 2/2 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH05 | 355 | C | ID | 2/2 |
| 130-06 | 190 | HAZMAT- Round Count | M | R | 1/15 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH06 | 380 | C | R | 1/15 |
| | | | | | | | LFH06 indicates activity of the radioactive material. | | | | | | | | | | |
| 131 | 190 | **LFH SEGMENT - HAZMAT Metric Weight**<br>SEGMENT CONDITION: Required if LH107 is used. Use along with LH106 for HAZMAT explosive materials. | C | | | 2 | 191 | O | 20 | 100 | 2 | LH1 | | | | | |
| | | | | | | | If either LFH05 or LFH06 is present, then the other is required. | | | | | | | | | | |

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| 131-01 | 190 | HAZMAT- Information Qualifier<br>Use code value 'ADI' to satisfy X12 syntax requirements.<br><br>ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper | M | ID | 3/3 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH01 | 808 | M | ID | 3/3 |
| 131-02 | 190 | HAZMAT- Shipment Information<br>Specific information required by law for hazardous material shipments. Enter value 'WT' to indicate segment contains HAZMAT Metric Weight Information.<br><br>WT | M | AN | 2/2 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH02 | 809 | M | AN | 1/25 |
| 131-05 | 190 | HAZMAT- Metric Measurement Code<br>2C - Roentgen<br><br>2Q - Kilobecquerel<br><br>2Y - Milliroentgen<br><br>40 - Milliliter per Second<br><br>4N - Megabecquerel<br><br>GM - Grams per Sq. Meter<br><br>GR - Gram<br><br>H4 - Hectoliter<br><br>HG - Hectogram<br><br>KG - Kilogram<br><br>KR - Kiloroentgen<br><br>LT - Liter<br><br>MC - Microgram<br><br>ME - Milligram<br><br>MG - Metric Gross Ton<br><br>ML - Milliliter<br><br>MP - Metric Ton<br><br>R2 - Becquerel | C | ID | 2/2 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH05 | 355 | C | ID | 2/2 |

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| 131-06 | 190 | HAZMAT- Metric Quantity<br>Use the unit of measure codes for quantity or volume of non bulk shipments. This will typically be grams, cubic meters, or a unit of measure other than pieces. If the weight of the hazardous material is measured in other than the above listed Weight Units of Measure, refer to X12 Standard, DE 355. Use LH101 to express type of packaging.<br><br>ELEMENT CONDITION: Required if LFH05 is used. At least one LH106/LH107 or LFH05/LFH06 are required to pass the HAZMAT unit of measure and quantity. If an English and Metric unit of measure are available, both are required. | C | R | 1/15 | 2 | 191<br>LFH06 indicates activity of the radioactive material. | O | 20 | 100 | 2 | LH1 | LFH06 | 380 | C | R | 1/15 |
| 132 | 190 | **LFH SEGMENT - Net Explosive Weight (English)**<br>SEGMENT CONDITION: Required for TC-AIMS II moves only. | C | | | 2 | 191<br>If either LFH05 or LFH06 is present, then the other is required. | O | 20 | 100 | 2 | LH1 | | | | | |
| 132-01 | 190 | HAZMAT - Information Qualifier<br>Use code value 'ADI' to satisfy X12 syntax requirements.<br><br>ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper<br><br>CAO - Cargo Airlift Only<br><br>D13 - "DOT - 113, Do Not Bump or Cut Off Car While in Motion" Declaration<br><br>DRC - Damaged Car Number<br><br>DWW - "Dangerous When Wet" Declaration<br><br>EMS - Emergency Schedule (EMS) Page Number<br><br>HOT - Identifies Products in a Heated Molten State<br><br>HZC - Hazardous Substance Constituents<br><br>INH - Inhalation Hazard<br><br>LQY - "Limited Quantity" Declaration<br><br>MFA - Medical First Aid Guide (MFAG) Page Number<br><br>MOS - Maximum Operating Speed<br><br>MPI - Marine Pollutant<br><br>PIH - "Poison - Inhalation Hazard" Declaration<br><br>POI - Poison Declaration<br><br>RAM - Radioactive Material Data<br><br>TEC - Technical or Chemical Group Name<br><br>TNM - Trade Name<br><br>WST - Waste Declaration | M | ID | 3/3 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH01 | 808 | M | ID | 3/3 |

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| 132-02 | 190 | HAZMAT - Shipment Information<br>Specific information required by law for hazardous material shipments. Enter value 'NX' to indicate segment contains HAZMAT English Weight Information.<br><br>NX | M | AN | 2/2 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH02 | 809 | M | AN | 1/25 |
| 132-05 | 190 | HAZMAT - English Net Explosive Weight Code<br>GA - Gallon<br><br>PN - Pounds Net | C | ID | 2/2 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH05 | 355 | C | ID | 2/2 |
| 132-06 | 190 | HAZMAT - English Net Explosive Weight | C | R | 1/15 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH06 | 380 | C | R | 1/15 |
| | | | | | | | LFH06 indicates activity of the radioactive material. | | | | | | | | | | |
| 133 | 190 | **LFH SEGMENT - Net Explosive Weight (Metric)**<br>SEGMENT CONDITION: Required for TC-AIMS II moves only. | C | | | 2 | 191 | O | 20 | 100 | 2 | LH1 | | | | | |
| | | | | | | | If either LFH05 or LFH06 is present, then the other is required. | | | | | | | | | | |
| 133-01 | 190 | HAZMAT - Shipment Information Qualifier<br>Use code value 'ADI' to satisfy X12 syntax requirements.<br><br>ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper | M | ID | 3/3 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH01 | 808 | M | ID | 3/3 |
| 133-02 | 190 | HAZMAT - Shipment Information<br>Enter value 'NW' to indicate segment contains HAZMAT Metric Net Weight Information.<br><br>NW | M | AN | 2/2 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH02 | 809 | M | AN | 1/25 |
| 133-05 | 190 | HAZMAT - Metric Net Explosive Weight Code<br>KG - Kilogram<br><br>LT - Liter | C | ID | 2/2 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH05 | 355 | C | ID | 2/2 |
| 133-06 | 190 | HAZMAT - Metric Net Explosive Weight | C | R | 1/15 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH06 | 380 | C | R | 1/15 |
| | | | | | | | LFH06 indicates activity of the radioactive material. | | | | | | | | | | |
| 134 | 190 | **LHR SEGMENT - DOT Explosive Approval Number (EX-number)**<br>SEGMENT CONDITION: Required for shipment of explosive materials. | C | | | 2 | 210 | O | 10 | 100 | 2 | LH1 | | | | | |
| 134-01 | 190 | HAZMAT - DOT Explosive Approval Number Qualifier<br>HD - Department of Transportation Hazardous Number | M | ID | 2/2 | 2 | 210 | O | 10 | 100 | 2 | LH1 | LHR01 | 128 | M | ID | 2/3 |

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| 134-02 | 190 | HAZMAT - DOT Explosive Approval Number (EX-number)<br>Product codes and national stock numbers must be traceable to the specific EX-number (also referred to as hazard classification approval number) assigned by the Associate Administrator for Hazardous Materials Safety.<br>SOURCE: 49 CFR 172.320 and 173.56(b)<br>[T_6 80/80] | M | AN | 1/30 | 2 | 210 | O | 10 | 100 | 2 | LH1 | LHR02 | 127 | M | AN | 1/30 |
| 135 | 190 | **LHR SEGMENT - Competent Authority Approval Number**<br>SEGMENT CONDITION: Use if competent authority approval is required. | C | | | 2 | 210 | O | 10 | 100 | 2 | LH1 | | | | | |
| 135-01 | 190 | Competent Authority Approval Number Qualifier<br>HA - Competent Authority | M | ID | 2/2 | 2 | 210 | O | 10 | 100 | 2 | LH1 | LHR01 | 128 | M | ID | 2/3 |
| 135-02 | 190 | Competent Authority Approval Number<br>Issued by Department of Transportation, approval number is CA-YYNNNNA, where Y = year, N = approval number within that year, and A is an optional alphanumeric designator. Only applicable when DoD requires an exception to the international performance oriented packaging rules.<br>[T_6 80/80] | M | AN | 1/30 | 2 | 210 | O | 10 | 100 | 2 | LH1 | LHR02 | 127 | M | AN | 1/30 |
| 136 | 190 | **LHR SEGMENT - DOT Exemption Number**<br>SEGMENT CONDITION: Required when DOT exemption applies. | C | | | 2 | 210 | O | 10 | 100 | 2 | LH1 | | | | | |
| 136-01 | 190 | DOT Exemption (DOT-E) Number Qualifier<br>HE - Hazardous Exemption Number | M | ID | 2/2 | 2 | 210 | O | 10 | 100 | 2 | LH1 | LHR01 | 128 | M | ID | 2/3 |
| 136-02 | 190 | DOT Exemption (DOT-E) Number<br>Identifies the DOT Exemption to any of the 49 CFR Regulations for hazardous materials. Normally used only for domestic shipments. Can be used for international shipments but is not guaranteed to be accepted by international customs.<br>SOURCE: 49 CFR 172.2(a)<br>[T_6 80/80] | M | AN | 1/30 | 2 | 210 | O | 10 | 100 | 2 | LH1 | LHR02 | 127 | M | AN | 1/30 |
| 137 | 190 | **LHR SEGMENT - Int'l Maritime Dangerous Goods Code**<br>SEGMENT CONDITION: Use this segment if the hazardous shipment requires international regulation. | C | | | 2 | 210 | O | 10 | 100 | 2 | LH1 | | | | | |
| 137-01 | 190 | HAZMAT - Int'l Maritime Dangerous Goods Code (IMDG) Qualifier<br>IM - Intergovernmental Maritime Organization (IMO) Number | M | ID | 2/2 | 2 | 210 | O | 10 | 100 | 2 | LH1 | LHR01 | 128 | M | ID | 2/3 |

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| 137-02 | 190 | HAZMAT - Int'l Maritime Dangerous Goods Code (IMDG)<br>[T_6 80/80] | M | AN | 1/30 | 2 | 210 | O | 10 | 100 | 2 | LH1 | LHR02 | 127 | M | AN | 1/30 |
| 138 | 190 | **LHR SEGMENT - DoDIC**<br>SEGMENT CONDITION: Required for TC-AIMS II moves only. | C | | | 2 | 210 | O | 10 | 100 | 2 | LH1 | | | | | |
| 138-01 | 190 | DoDIC Qualifier<br>Use '1I' for shipments by other than ocean. Use '6P' only for ocean shipments.<br><br>1I - Department of Defense Identification Code (DoDIC)<br><br>6P - Group Number | M | ID | 2/2 | 2 | 210 | O | 10 | 100 | 2 | LH1 | LHR01 | 128 | M | ID | 2/3 |
| 138-02 | 190 | DoDIC<br>[T_9 D-15 67/70] | M | AN | 1/30 | 2 | 210 | O | 10 | 100 | 2 | LH1 | LHR02 | 127 | M | AN | 1/30 |
| 139 | 190 | **LHR SEGMENT - National Stock Number (NSN)**<br>SEGMENT CONDITION: Required for TC-AIMS II moves only. | C | | | 2 | 210 | O | 10 | 100 | 2 | LH1 | | | | | |
| 139-01 | 190 | HAZMAT - NSN Qualifier<br>NS - National Stock Number | M | ID | 2/2 | 2 | 210 | O | 10 | 100 | 2 | LH1 | LHR01 | 128 | M | ID | 2/3 |
| 139-02 | 190 | HAZMAT - NSN<br>[T_6 54/66] | M | AN | 1/30 | 2 | 210 | O | 10 | 100 | 2 | LH1 | LHR02 | 127 | M | AN | 1/30 |
| 140 | 190 | **FA1 SEGMENT - TCN Appropriation Number Loop**<br>LOOP CONDITION: Use for appropriation assignment. Carriers do not need to receive appropriation data. This segment begins the appropriation number loop. It calls for both FA1 and FA2 segments. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners.<br><br>If there is only one Transportation Accounting Code or Line of Accounting at the header level, then it applies to all shipments in that container. If there is TAC/LOA at the header level, and some of the line items in the container have their own TACs/LOAs and some do not, use the TACs/LOAs at the line item level for those specific shipments and default to the header TAC/LOA for all others. If there is an invalid TAC/LOA on a single line item we will use the header TAC/LOA. If there is only one Transportation Accounting Code or Line of Accounting at the header<br>level, then it applies to all shipments in that container. If there is TAC/LOA at the header level, and some of the line items in the container have their own TACs/LOAs and some do not, use the TACs/LOAs at the line item level for those specific shipments and default to the header TAC/LOA for all others. If there is an invalid TAC/LOA on a single line item we will use the header TAC/LOA. | C | | | 2 | 230 | O | 1 | >1 | 2 | FA1 | | | | | |

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| 140-01 | 190 | Agency Qualifier Code<br>Code identifying the agency assigning the code values.<br>DF - Department of Defense (DoD)<br>DN - Department of the Navy<br>DX - United States Marine Corps<br>DY - Department of Air Force<br>DZ - Department of Army<br>HS - Department of Health and Human Services<br>*Use 'HS' to denote Department of Homeland Security/US Coast Guard (DHS/USCG).* | M | ID | 2/2 | 2 | 230<br>FA101 Identifies the organization controlling the assignment of financial accounting information. | O | 1 | >1 | 2 | FA1 | FA101 | 559 | M | ID | 2/2 |
| 141 | 190 | **FA2 SEGMENT - TCN Appropriation Elements**<br>SEGMENT CONDITION: This segment is MANDATORY if and only if the FA1 SEGMENT - TCN Appropriation Number Loop segment is used. Otherwise, this segment may not be used. | C | | | 2 | 240 | M | >1 | >1 | 2 | FA1 | | | | | |
| 141-01 | 190 | Breakdown Structure Detail Code<br>See Section 6 for list of data values. | M | ID | 2/2 | 2 | 240 | M | >1 | >1 | 2 | FA1 | FA201 | 1196 | M | ID | 2/2 |
| 141-02 | 190 | Financial Information Code<br>When FA201 contains code value '84', FA202 should be formatted as a dollar amount including a decimal character and two positions after the decimal, representing cents even if the value is a whole dollar amount. | M | AN | 1/80 | 2 | 240 | M | >1 | >1 | 2 | FA1 | FA202 | 1195 | M | AN | 1/80 |
| 142 | 190 | **L10 SEGMENT - TCN Weight**<br>SEGMENT CONDITION: Use when appropriation weight applies. | C | | | 2 | 250 | O | 1 | >1 | 2 | FA1 | | | | | |
| 142-01 | 190 | Weight<br>Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.<br>[T_0 72/76] | M | R | 1/10 | 2 | 250 | O | 1 | >1 | 2 | FA1 | L1001 | 81 | M | R | 1/10 |
| 142-02 | 190 | Weight Qualifier<br>N - Actual Net Weight | M | ID | 1/1 | 2 | 250 | O | 1 | >1 | 2 | FA1 | L1002 | 187 | M | ID | 1/2 |

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| 142-03 | 190 | Weight Unit Code<br>E - Metric Ton<br>G - Grams<br>K - Kilograms<br>L - Pounds<br>M - Measurement Ton<br>O - Ounces<br>S - Short Ton<br>T - Long Ton | M | ID | 1/1 | 2 | 250 | O | 1 | >1 | 2 | FA1 | L1003 | 188 | O | ID | 1/1 |
| 143 | 190 | **NM1 SEGMENT - Personal Property Owner**<br>LOOP CONDITION: Used only for OCEAN CARGO SHIPPING INSTRUCTIONS. | C | | | 2 | 260 | O | 1 | 4 | 2 | NM1 | | | | | |
| | | | | | | | If either NM108 or NM109 is present, then the other is required.<br>If NM111 is present, then NM110 is required. | | | | | | | | | | |
| 143-01 | 190 | Personal Property Owner Qualifier<br>OW - Owner of Property or Unit | M | ID | 2/2 | 2 | 260 | O | 1 | 4 | 2 | NM1 | NM101 | 98 | M | ID | 2/3 |
| 143-02 | 190 | Personal Property Owner Qualifier<br>1 - Person | M | ID | 1/1 | 2 | 260 | O | 1 | 4 | 2 | NM1 | NM102 | 1065 | M | ID | 1/1 |
| 143-03 | 190 | Personal Property Owner's Last Name<br>[T_8 54/66] | M | AN | 1/15 | 2 | 260 | O | 1 | 4 | 2 | NM1 | NM103 | 1035 | O | AN | 1/35 |
| 143-04 | 190 | Personal Property Owner's First Name/Initial<br>[T_8 67/67] | M | AN | 1/15 | 2 | 260 | O | 1 | 4 | 2 | NM1 | NM104 | 1036 | O | AN | 1/25 |
| 144 | 73 | **N1 SEGMENT - Mark For Addressee Information (MA)**<br>LOOP CONDITION: Use this address loop when en-route consolidation activity or any other organization or system that handles the bill of lading data needs to know the ultimate destination of the shipment. This is needed particularly for OCONUS shipments where the bill of lading moves the freight to a port to change modes to air freight or ocean container. | C | | | 2 | 290 | O | 1 | 4 | 2 | N1 | | | | | |
| | | | | | | | At least one of N102 or N103 is required.<br>If either N103 or N104 is present, then the other is required. | | | | | | | | | | |
| 144-01 | 73 | Name Qualifier (MA)<br>This qualifier identifies name and address information of the 'Mark For' ultimate consignee.<br>MA - Party for whom Item is Ultimately Intended | M | ID | 2/2 | 2 | 290 | O | 1 | 4 | 2 | N1 | N101 | 98 | M | ID | 2/3 |

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| 144-02 | 73 | Name (MA)<br>[TC1 9/14] | C | AN | 1/35 | 2 | 290 | O | 1 | 4 | 2 | N1 | N102 | 93 | C | AN | 1/60 |
| 144-03 | 73 | DoDAAC/CAGE/MAPAC Qualifier (MA)<br>Do not use CAGE code for ocean shipments.<br>10 - Department of Defense Activity Address Code (DODAAC)<br>33 - Commercial and Government Entity (CAGE)<br>A2 - Military Assistance Program Address Code (MAPAC) | M | ID | 2/2 | 2 | 290 | O | 1 | 4 | 2 | N1 | N103 | 66 | C | ID | 1/2 |
| 144-04 | 73 | DoDAAC/CAGE/MAPAC (MA)<br>If DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the destination is required.<br>[T_2 47/52] | M | AN | 5/6 | 2 | 290 | O | 1 | 4 | 2 | N1 | N104 | 67 | C | AN | 2/80 |
| | | | | | | | | | | | | | 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. | | | | |
| 145 | 73 | **N2 SEGMENT - Mark For Addressee Information (MA)**<br>SEGMENT CONDITION: Use when mark for addressee applies. | C | | | 2 | 300 | O | 2 | 4 | 2 | N1 | | | | | |
| 145-01 | 73 | Additional Name (MA) | M | AN | 1/35 | 2 | 300 | O | 2 | 4 | 2 | N1 | N201 | 93 | M | AN | 1/60 |
| 146 | 73 | **N3 SEGMENT - Mark For Addressee Information (MA)** | C | | | 2 | 310 | O | 2 | 4 | 2 | N1 | | | | | |
| 146-01 | 73 | Street (MA) | M | AN | 1/35 | 2 | 310 | O | 2 | 4 | 2 | N1 | N301 | 166 | M | AN | 1/55 |
| 146-02 | 73 | Additional Addressing Information | C | AN | 1/35 | 2 | 310 | O | 2 | 4 | 2 | N1 | N302 | 166 | O | AN | 1/55 |
| 147 | 73 | **N4 SEGMENT - Mark For Addressee Information (MA)**<br>SEGMENT CONDITION: Use when mark for addressee applies. | C | | | 2 | 320 | O | 1 | 4 | 2 | N1 | | | | | |
| | | | | | | | If N406 is present, then N405 is required. | | | | | | | | | | |
| 147-01 | 73 | City (MA) | C | AN | 2/19 | 2 | 320 | O | 1 | 4 | 2 | N1 | N401 | 19 | O | AN | 2/30 |
| | | | | | | | A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location. | | | | | | | | | | |
| 147-02 | 73 | State or Province Code (MA)<br>SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center | C | ID | 2/2 | 2 | 320 | O | 1 | 4 | 2 | N1 | N402 | 156 | O | ID | 2/2 |
| | | | | | | | N402 is required only if city name (N401) is in the U.S. or Canada. | | | | | | | | | | |
| 147-03 | 73 | ZIP Code/Postal Code (MA)<br>SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents | C | ID | 3/15 | 2 | 320 | O | 1 | 4 | 2 | N1 | N403 | 116 | O | ID | 3/15 |

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| 147-04 | 73 | Country Code (MA)<br>ELEMENT CONDITION: If mark for addressee is OCONUS, country code is required.<br><br>SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute. | C | ID | 2/3 | 2 | 320 | O | 1 | 4 | 2 | N1 | N404 | 26 | O | ID | 2/3 |
| 148 | 200 | **HL SEGMENT - Gross Weight Description Loop**<br>LOOP CONDITION: Use when gross weight description applies. | C | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| | | | | | | | 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.<br>The HL segment defines a top-down/left-right ordered structure. | | | | | | | | | | |
| 148-01 | 200 | Detail - Gross Weight Description<br>Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe weights that apply to the entire shipment. | M | N0 | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| | | | | | | | 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. | | | | | | | | | | |
| 148-03 | 200 | Hierarchical Level Code<br>This code identifies the Gross Weight Description Loop.<br><br>PH - Product Characteristic | M | ID | 2/2 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| | | | | | | | 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. | | | | | | | | | | |
| 149 | 200 | **L0 SEGMENT - Shipment Gross Weight**<br>LOOP CONDITION: This segment is required if and only if HL SEGMENT - Gross Weight Description Loop is used. | C | | | 2 | 145 | O | 1 | 20 | 2 | L0 | | | | | |
| | | | | | | | If either L002 or L003 is present, then the other is required.<br>If either L004 or L005 is present, then the other is required.<br>If either L006 or L007 is present, then the other is required.<br>If either L008 or L009 is present, then the other is required.<br>If L011 is present, then L004 is required.<br>If either L013 or L015 is present, then the other is required. | | | | | | | | | | |
| 149-04 | 200 | Shipment Gross Weight<br>The total weight for the shipment. This weight includes the shipment net weight plus the tare weight. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.<br><br>[T_2 72/76] | M | R | 1/10 | 2 | 145 | O | 1 | 20 | 2 | L0 | L004 | 81 | C | R | 1/10 |
| 149-05 | 200 | Shipment Gross Weight Qualifier<br>G - Gross Weight | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L005 | 187 | C | ID | 1/2 |

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| 149-11 | 200 | Shipment Gross Weight Unit Qualifier<br>E - Metric Ton<br>G - Grams<br>K - Kilograms<br>L - Pounds<br>M - Measurement Ton<br>O - Ounces<br>S - Short Ton<br>T - Long Ton | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L011 | 188 | O | ID | 1/1 |
| 150 | 200 | **HL SEGMENT - Detail - Tare Weight Description Loop**<br>LOOP CONDITION: Use when tare weight description is required. | C | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| | | | | | | | 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.<br>The HL segment defines a top-down/left-right ordered structure. | | | | | | | | | | |
| 150-01 | 200 | Detail - Tare Weight Description Loop<br>Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe tare weights that apply to the entire shipment. | M | N0 | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| | | | | | | | 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. | | | | | | | | | | |
| 150-03 | 200 | Hierarchical Level Code<br>This code identifies the Tare Weight Description Loop.<br>PH - Product Characteristic | M | ID | 2/2 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| | | | | | | | 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. | | | | | | | | | | |
| 151 | 200 | **L0 SEGMENT - Shipment Tare Weight**<br>LOOP CONDITION: Required if and only if HL SEGMENT - Detail - Tare Weight Description Loop is used. | C | | | 2 | 145 | O | 1 | 20 | 2 | L0 | | | | | |
| | | | | | | | If either L002 or L003 is present, then the other is required.<br>If either L004 or L005 is present, then the other is required.<br>If either L006 or L007 is present, then the other is required.<br>If either L008 or L009 is present, then the other is required.<br>If L011 is present, then L004 is required.<br>If either L013 or L015 is present, then the other is required. | | | | | | | | | | |
| 151-04 | 200 | Shipment Tare Weight<br>The actual tare weight of the shipment. Tare weight is the weight of the truck or container. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.<br>[T_2 72/76] | M | R | 1/8 | 2 | 145 | O | 1 | 20 | 2 | L0 | L004 | 81 | C | R | 1/10 |
| 151-05 | 200 | Shipment Tare Weight Qualifier<br>T - Tare Weight | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L005 | 187 | C | ID | 1/2 |

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| 151-11 | 200 | Shipment Tare Weight Unit Qualifier<br>E - Metric Ton<br>G - Grams<br>K - Kilograms<br>L - Pounds<br>M - Measurement Ton<br>O - Ounces<br>S - Short Ton<br>T - Long Ton | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L011 | 188 | O | ID | 1/1 |
| 152 | 200 | **HL SEGMENT - Net Weight Description Loop**<br>The HL Net Weight Description Loop must occur for the shipment net weight. The HL Net Weight Description Loop must occur for the shipment net weight. | M | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| | | | | | | | 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.<br>The HL segment defines a top-down/left-right ordered structure. | | | | | | | | | | |
| 152-01 | 200 | Detail - Net Weight Description Loop<br>Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe net weights that apply to the entire shipment. | M | N0 | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| | | | | | | | HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in<br>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<br>the transaction. | | | | | | | | | | |
| 152-03 | 200 | Hierarchical Level Code<br>This code identifies the Net Weight Description Loop.<br>PH - Product Characteristic | M | ID | 2/2 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| | | | | | | | 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. | | | | | | | | | | |
| 153 | 200 | **L0 SEGMENT - Shipment Net Weight** | M | | | 2 | 145 | O | 1 | 20 | 2 | L0 | | | | | |
| | | | | | | | If either L002 or L003 is present, then the other is required.<br>If either L004 or L005 is present, then the other is required.<br>If either L006 or L007 is present, then the other is required.<br>If either L008 or L009 is present, then the other is required.<br>If L011 is present, then L004 is required.<br>If either L013 or L015 is present, then the other is required. | | | | | | | | | | |
| 153-04 | 200 | Shipment Net Weight<br>The net weight of the shipment. Net weight = freight weight + skid weight + pallet weight + dunnage weight. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.<br>[T_2 72/76] | M | R | 1/8 | 2 | 145 | O | 1 | 20 | 2 | L0 | L004 | 81 | C | R | 1/10 |
| 153-05 | 200 | Shipment Net Weight Qualifier<br>N - Actual Net Weight | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L005 | 187 | C | ID | 1/2 |

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| 153-11 | 200 | Shipment Net Weight Unit Qualifier<br>E - Metric Ton<br>G - Grams<br>K - Kilograms<br>L - Pounds<br>M - Measurement Ton<br>O - Ounces<br>S - Short Ton<br>T - Long Ton | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L011 | 188 | O | ID | 1/1 |
| 154 | 200 | **HL SEGMENT - Net Explosive Weight Description Loop (English)**<br>LOOP CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required and the shipment is an explosive danger. | C | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| | | | | | | | 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.<br>The HL segment defines a top-down/left-right ordered structure. | | | | | | | | | | |
| 154-01 | 200 | Detail - Net Explosive Weight Description Loop (English)<br>Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe English weights that apply to the entire shipment. | M | N0 | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| | | | | | | | 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. | | | | | | | | | | |
| 154-03 | 200 | Hierarchical Level Code<br>This code identifies the Net Explosive Weight Description (English) Loop.<br>PH - Product Characteristic | M | ID | 1/2 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| | | | | | | | 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. | | | | | | | | | | |
| 155 | 200 | **L0 SEGMENT - Shipment Net Explosive Weight (Dry)**<br>LOOP CONDITION: Required if and only if HL SEGMENT - Net Explosive Weight Description Loop (English) Loop is used. Then, it is required to satisfy X12 syntax whether explosive is dry or wet. | C | | | 2 | 145 | O | 1 | 20 | 2 | L0 | | | | | |
| | | | | | | | If either L002 or L003 is present, then the other is required.<br>If either L004 or L005 is present, then the other is required.<br>If either L006 or L007 is present, then the other is required.<br>If either L008 or L009 is present, then the other is required.<br>If L011 is present, then L004 is required.<br>If either L013 or L015 is present, then the other is required. | | | | | | | | | | |
| 155-04 | 200 | Shipment Net Explosive Weight (Dry)<br>Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. If explosive is wet, enter value zero (0) to satisfy X12 syntax.<br>ELEMENT CONDITION: Enter net explosive weight if explosive is dry.<br>[T_2 72/76] | C | R | 1/8 | 2 | 145 | O | 1 | 20 | 2 | L0 | L004 | 81 | C | R | 1/10 |

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| 155-05 | 200 | Shipment Net Explosive Weight Qualifier<br>This element is required to satisfy X12 syntax whether explosive is dry or wet.<br><br>CE - Certified Weight of Cargo | M | ID | 2/2 | 2 | 145 | O | 1 | 20 | 2 | L0 | L005 | 187 | C | ID | 1/2 |
| 155-11 | 200 | Shipment Net Explosive Weight Qualifier (Dry)<br>ELEMENT CONDITION: Use this element only if explosive is dry.<br><br>E - Metric Ton<br><br>G - Grams<br><br>K - Kilograms<br><br>L - Pounds<br><br>M - Measurement Ton<br><br>O - Ounces<br><br>S - Short Ton<br><br>T - Long Ton | C | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L011 | 188 | O | ID | 1/1 |
| 156 | 200 | **MEA SEGMENT - Shipment Net Explosive Weight (Wet)**<br>SEGMENT CONDITION: Use this segment only if explosive is wet. | C | | | 2 | 160 | O | 10 | 20 | 2 | L0 | | | | | |
| | | | | | | | At least one of MEA03, MEA05, MEA06, or MEA08 is required.<br>If MEA05 is present, then MEA04 is required.<br>If MEA06 is present, then MEA04 is required.<br>If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required.<br>Only one of MEA08 or MEA03 may be present. | | | | | | | | | | |
| 156-01 | 200 | Shipment Net Explosive Weight Qualifier (Wet)<br>NX - Net Explosive Weight | M | ID | 2/2 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA01 | 737 | O | ID | 2/2 |
| 156-03 | 200 | Shipment Net Explosive Weight (Wet)<br>Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.<br><br>[T_9 D-21 13/16] | M | R | 1/8 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA03 | 739 | C | R | 1/20 |
| 156-04 | | Composite Unit of Measure (Wet)<br>C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter. | M | CE | | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA04 | C001 | C | CE | |
| 156-04-01 | | Shipment Net Explosive Weight Qualifier (Wet)<br>By placing code value 'GA' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element.<br><br>GA - Gallon | M | ID | 2/2 | 2 | 160 | C | 10 | 20 | 2 | L0 | C00101 | 355 | M | ID | 2/2 |

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| 157 | 200 | **HL SEGMENT - Net Explosive Weight Description Loop (Metric)**<br>LOOP CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required and the shipment is an explosive danger. | C | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| | | | | | | | 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.<br>The HL segment defines a top-down/left-right ordered structure. | | | | | | | | | | |
| 157-01 | 200 | Detail - Net Explosive Weight Description Loop (Metric)<br>Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe Net Explosive Weights (Metric) that apply to the entire shipment. | M | N0 | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| | | | | | | | 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. | | | | | | | | | | |
| 157-03 | 200 | Hierarchical Level Code<br>This code identifies the Net Explosive Weight Description (Metric) Loop.<br><br>PH - Product Characteristic | M | ID | 2/2 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| | | | | | | | 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. | | | | | | | | | | |
| 158 | 200 | **L0 SEGMENT - Shipment Net Explosive Weight (Dry)** | C | | | 2 | 145 | O | 1 | 20 | 2 | L0 | | | | | |
| | | | | | | | If either L002 or L003 is present, then the other is required.<br>If either L004 or L005 is present, then the other is required.<br>If either L006 or L007 is present, then the other is required.<br>If either L008 or L009 is present, then the other is required.<br>If L011 is present, then L004 is required.<br>If either L013 or L015 is present, then the other is required. | | | | | | | | | | |
| 158-04 | 200 | Shipment Net Explosive Weight (Dry)<br>Use value zero (0) to satisfy X12 syntax.<br><br>[T_2 72/76] | M | R | 1/8 | 2 | 145 | O | 1 | 20 | 2 | L0 | L004 | 81 | C | R | 1/10 |
| 158-05 | 200 | Shipment Net Explosive Weight Qualifier<br>This element is required to satisfy X12 syntax whether explosive is dry or wet.<br><br>CE - Certified Weight of Cargo | M | ID | 2/2 | 2 | 145 | O | 1 | 20 | 2 | L0 | L005 | 187 | C | ID | 1/2 |

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| 158-11 | 200 | Shipment Net Explosive Weight Qualifier (Dry)<br>ELEMENT CONDITION: Use this element only if explosive is dry.<br>E - Metric Ton<br>G - Grams<br>K - Kilograms<br>L - Pounds<br>M - Measurement Ton<br>O - Ounces<br>S - Short Ton<br>T - Long Ton | C | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L011 | 188 | O | ID | 1/1 |
| 159 | 200 | **MEA SEGMENT - Shipment Net Explosive Weight (Wet)**<br>SEGMENT CONDITION: Use this segment only if explosive is wet. | C | | | 2 | 160 | O | 10 | 20 | 2 | L0 | | | | | |
| | | | | | | | At least one of MEA03, MEA05, MEA06, or MEA08 is required.<br>If MEA05 is present, then MEA04 is required.<br>If MEA06 is present, then MEA04 is required.<br>If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required.<br>Only one of MEA08 or MEA03 may be present. | | | | | | | | | | |
| 159-01 | 200 | Shipment Net Explosive Weight Qualifier (Wet)<br>NX - Net Explosive Weight | M | ID | 2/2 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA01 | 737 | O | ID | 2/2 |
| 159-03 | 200 | Shipment Net Explosive Weight (Wet)<br>Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.<br>[T_9 D-21 13/16] | M | R | 1/8 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA03 | 739 | C | R | 1/20 |
| 159-04 | | Composite Unit of Measure<br>C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter. | M | CE | | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA04 | C001 | C | CE | |
| 159-04-01 | | Shipment Net Explosive Weight Qualifier (Wet)<br>By placing code value 'LT' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element.<br>LT - Liter | M | ID | 2/2 | 2 | 160 | C | 10 | 20 | 2 | L0 | C00101 | 355 | M | ID | 2/2 |
| 160 | 200 | **HL SEGMENT - Dunnage Weight Description Loop**<br>LOOP CONDITION: Required if dunnage weight description Loop is required. | C | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| | | | | | | | 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.<br>The HL segment defines a top-down/left-right ordered structure. | | | | | | | | | | |

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| 160-01 | 200 | Detail - Dunnage Weight Description Loop<br>Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe Dunnage Weights that apply to the entire shipment. | M | N0 | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| | | | | | | | 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. | | | | | | | | | | |
| 160-03 | 200 | Hierarchical Level Code<br>This code identifies the Dunnage Weight Description Loop.<br>PH - Product Characteristic | M | ID | 2/2 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| | | | | | | | 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. | | | | | | | | | | |
| 161 | 200 | **L0 SEGMENT - Shipment Dunnage Weight**<br>LOOP CONDITION: Required if and only if HL SEGMENT - Dunnage Weight Description Loop is used. | C | | | 2 | 145 | O | 1 | 20 | 2 | L0 | | | | | |
| | | | | | | | If either L002 or L003 is present, then the other is required.<br>If either L004 or L005 is present, then the other is required.<br>If either L006 or L007 is present, then the other is required.<br>If either L008 or L009 is present, then the other is required.<br>If L011 is present, then L004 is required.<br>If either L013 or L015 is present, then the other is required. | | | | | | | | | | |
| 161-04 | 200 | Shipment Dunnage Weight<br>Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.<br>[T_2 72/76] | M | R | 1/8 | 2 | 145 | O | 1 | 20 | 2 | L0 | L004 | 81 | C | R | 1/10 |
| 161-05 | 200 | Shipment Dunnage Weight Qualifier<br>CD - Chargeable Dunnage | M | ID | 2/2 | 2 | 145 | O | 1 | 20 | 2 | L0 | L005 | 187 | C | ID | 1/2 |
| 161-11 | 200 | Shipment Dunnage Weight Unit Qualifier<br>E - Metric Ton<br>G - Grams<br>K - Kilograms<br>L - Pounds<br>M - Measurement Ton<br>O - Ounces<br>S - Short Ton<br>T - Long Ton | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L011 | 188 | O | ID | 1/1 |
| 162 | 200 | **HL SEGMENT - Pallet Weight Description Loop**<br>LOOP CONDITION: Required if pallet weight applies. | C | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| | | | | | | | 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.<br>The HL segment defines a top-down/left-right ordered structure. | | | | | | | | | | |

| DoD INFORMATION | | | | | | X12 SEGMENT INFORMATION | | | | | | | X12 ELEMENT INFORMATION | | | | |
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| 162-01 | 200 | Detail - Pallet Weight Description Loop<br>Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe pallet weights that apply to the entire shipment. | M | N0 | 1/12 | 2 | 010<br>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. | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| 162-03 | 200 | Hierarchical Level Code<br>This code identifies the Pallet Weight Description Loop.<br>PH - Product Characteristic | M | ID | 2/2 | 2 | 010<br>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. | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| 163 | 200 | **L0 SEGMENT - Shipment Pallet Weight**<br>LOOP CONDITION: Required if and only if HL SEGMENT - Pallet Weight Description Loop is used. | C | | | 2 | 145<br>If either L002 or L003 is present, then the other is required.<br>If either L004 or L005 is present, then the other is required.<br>If either L006 or L007 is present, then the other is required.<br>If either L008 or L009 is present, then the other is required.<br>If L011 is present, then L004 is required.<br>If either L013 or L015 is present, then the other is required. | O | 1 | 20 | 2 | L0 | | | | | |
| 163-04 | 200 | Shipment Pallet Weight<br>Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.<br>[T_2 72/76] | M | R | 1/8 | 2 | 145 | O | 1 | 20 | 2 | L0 | L004 | 81 | C | R | 1/10 |
| 163-05 | 200 | Shipment Pallet Weight Qualifier<br>PA - Pallet Weight | M | ID | 2/2 | 2 | 145 | O | 1 | 20 | 2 | L0 | L005 | 187 | C | ID | 1/2 |
| 163-11 | 200 | Shipment Pallet Weight Unit Qualifier<br>E - Metric Ton<br>G - Grams<br>K - Kilograms<br>L - Pounds<br>M - Measurement Ton<br>O - Ounces<br>S - Short Ton<br>T - Long Ton | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L011 | 188 | O | ID | 1/1 |
| 164 | 200 | **HL SEGMENT - Skid Weight Description Loop**<br>LOOP CONDITION: Required if skid weight is required. | C | | | 2 | 010<br>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.<br>The HL segment defines a top-down/left-right ordered structure. | M | 1 | >1 | 1 | HL | | | | | |

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| 164-01 | 200 | Detail - Skid Weight Description Loop<br>Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe skid weights that apply to the entire shipment. | M | N0 | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| | | | | | | | 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. | | | | | | | | | | |
| 164-03 | 200 | Hierarchical Level Code<br>This code identifies the Skid Weight Description Loop.<br>PH - Product Characteristic | M | ID | 2/2 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| | | | | | | | 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. | | | | | | | | | | |
| 165 | 200 | **L0 SEGMENT - Shipment Skid Weight**<br>LOOP CONDITION: Required if and only if HL SEGMENT - Skid Weight Description Loop is used. | C | | | 2 | 145 | O | 1 | 20 | 2 | L0 | | | | | |
| | | | | | | | If either L002 or L003 is present, then the other is required.<br>If either L004 or L005 is present, then the other is required.<br>If either L006 or L007 is present, then the other is required.<br>If either L008 or L009 is present, then the other is required.<br>If L011 is present, then L004 is required.<br>If either L013 or L015 is present, then the other is required. | | | | | | | | | | |
| 165-04 | 200 | Shipment Skid Weight<br>Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.<br>[T_2 72/76] | M | R | 1/8 | 2 | 145 | O | 1 | 20 | 2 | L0 | L004 | 81 | C | R | 1/10 |
| 165-05 | 200 | Shipment Skid Weight Qualifier<br>SK - Skid Weight | M | ID | 2/2 | 2 | 145 | O | 1 | 20 | 2 | L0 | L005 | 187 | C | ID | 1/2 |
| 165-11 | 200 | Shipment Skid Weight Unit Qualifier<br>E - Metric Ton<br>G - Grams<br>K - Kilograms<br>L - Pounds<br>M - Measurement Ton<br>O - Ounces<br>S - Short Ton<br>T - Long Ton | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L011 | 188 | O | ID | 1/1 |
| 166 | 200 | **HL SEGMENT - Freight Weight Description Loop** | M | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| | | | | | | | 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.<br>The HL segment defines a top-down/left-right ordered structure. | | | | | | | | | | |

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| 166-01 | 200 | Detail - Freight Weight Description Loop<br>Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe freight weights that apply to the entire shipment. | M | N0 | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| | | | | | | | 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. | | | | | | | | | | |
| 166-03 | 200 | Hierarchical Level Code<br>This code identifies the Freight Weight Description Loop.<br>PH - Product Characteristic | M | ID | 2/2 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| | | | | | | | 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. | | | | | | | | | | |
| 167 | 200 | **L0 SEGMENT - Shipment Freight Weight** | M | | | 2 | 145 | O | 1 | 20 | 2 | L0 | | | | | |
| | | | | | | | If either L002 or L003 is present, then the other is required.<br>If either L004 or L005 is present, then the other is required.<br>If either L006 or L007 is present, then the other is required.<br>If either L008 or L009 is present, then the other is required.<br>If L011 is present, then L004 is required.<br>If either L013 or L015 is present, then the other is required. | | | | | | | | | | |
| 167-04 | 200 | Shipment Freight Weight<br>Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. The freight weight for all commodities should be accumulated and carried in the data element. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.<br>[T_2 72/76] | C | R | 1/8 | 2 | 145 | O | 1 | 20 | 2 | L0 | L004 | 81 | C | R | 1/10 |
| 167-05 | 200 | Shipment Freight Weight Qualifier<br>FR - Freight Weight | C | ID | 2/2 | 2 | 145 | O | 1 | 20 | 2 | L0 | L005 | 187 | C | ID | 1/2 |
| 167-11 | 200 | Shipment Freight Weight Unit Qualifier<br>E - Metric Ton<br>G - Grams<br>K - Kilograms<br>L - Pounds<br>M - Measurement Ton<br>O - Ounces<br>S - Short Ton<br>T - Long Ton | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L011 | 188 | O | ID | 1/1 |
| 168 | 300 | **HL SEGMENT - Accessorial/Protective Services Loop**<br>LOOP CONDITION: Required if the shipment calls for accessorial or protective service. One HL Accessorial/Protective Services Loop must occur for each service ordered. | C | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| | | | | | | | 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.<br>The HL segment defines a top-down/left-right ordered structure. | | | | | | | | | | |

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| 168-01 | 300 | Detail - Accessorial/Protective Services Loop<br>Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the Accessorial/Protective Services Loop. See Section 5.0 (DTEB Freight Bill of Lading Shipment Information Implementation Convention) for looping logic and examples. | M | N0 | 1/12 | 2 | 010<br>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. | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| 168-03 | 300 | Hierarchical Level Code<br>This code identifies the Accessorial/Protective Services Loop.<br>SS - Services | M | ID | 2/2 | 2 | 010<br>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. | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| 169 | 300 | **N7 SEGMENT - Primary Equipment Identifier**<br>SEGMENT CONDITION: Required if the shipment moves on multiple pieces of equipment and the accessorial/protective service applies to a particular piece of equipment. Do not use this segment if the accessorial/protective service applies to the whole shipment. | C | | | 2 | 020<br>If either N703 or N704 is present, then the other is required.<br>If either N705 or N716 is present, then the other is required.<br>If either N708 or N709 is present, then the other is required. | O | 1 | >1 | 1 | HL | | | | | |
| 169-01 | 300 | Equipment Initial<br>This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes initials of the furnished primary equipment in/on which the commodity is conveyed.<br>ELEMENT CONDITION: If the value in N702 is other than 'NONE', or the equipment initials are not available, use the SCAC.<br>SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association<br>[T_2 9/12] | C | AN | 1/4 | 2 | 020<br>N701 is mandatory for rail transactions. | O | 1 | >1 | 1 | HL | N701 | 206 | O | AN | 1/4 |
| 169-02 | 300 | Equipment Number<br>This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes numbers on the furnished primary equipment in/on which the commodity is conveyed.<br>[T_4 9/14] | M | AN | 1/10 | 2 | 020 | O | 1 | >1 | 1 | HL | N702 | 207 | M | AN | 1/10 |
| 170 | 300 | **N9 SEGMENT - Service Performed**<br>SEGMENT CONDITION: Required for accessorial/protective services. | C | | | 2 | 100<br>At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | O | 10 | >1 | 1 | HL | | | | | |
| 170-01 | 300 | Service Performed Identifier<br>1P - Accessorial Status Code | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 170-02 | 300 | Service Performed Date Qualifier<br>Use the following value to denote the DoD definition as indicated: DP - Date Service was Performed<br>[T_9 D-13 78/79] | C | AN | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |

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| 170-04 | 300 | Service Performed Date<br>The date the service was performed. | C | DT | 8/8 | 2 | 100 | O | 10 | >1 | 1 | HL | N904 | 373 | O | DT | 8/8 |
| 171 | 300 | **N9 SEGMENT - Stop Sequence Number**<br>SEGMENT CONDITION: Required if stop-offs occur. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |
| 171-01 | 300 | Stop Sequence Number Qualifier<br>QN - Stop Sequence Number | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 171-02 | 300 | Stop Sequence Number<br>If stops apply to a shipment, a service code is identified with a stop by carrying the sequence number of the stop address in this data element. That sequence number appears in the S5 segment in the header area of the transaction set. | M | N0 | 1/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 172 | 300 | **L0 SEGMENT - Service Units**<br>LOOP CONDITION: Required if and only if HL SEGMENT - Accessorial/Protective Services Loop is used. | C | | | 2 | 145 | O | 1 | 20 | 2 | L0 | | | | | |
| | | | | | | | If either L002 or L003 is present, then the other is required.<br>If either L004 or L005 is present, then the other is required.<br>If either L006 or L007 is present, then the other is required.<br>If either L008 or L009 is present, then the other is required.<br>If L011 is present, then L004 is required.<br>If either L013 or L015 is present, then the other is required. | | | | | | | | | | |
| 172-01 | 300 | Service Loop Identifier<br>Use value '300' to indicate service loop. | M | N0 | 3/3 | 2 | 145 | O | 1 | 20 | 2 | L0 | L001 | 213 | O | N0 | 1/3 |
| 172-02 | 300 | Service Units<br>The number of units (i.e. hours, 100 weight, etc.) for a specific additional service performed by the carrier. If this number is fractional, carry the decimal; if an integer, a decimal is not required. If service units do not apply, leave L002 and L003 blank. | C | R | 1/11 | 2 | 145 | O | 1 | 20 | 2 | L0 | L002 | 220 | C | R | 1/11 |
| 172-03 | 300 | Service Units Qualifier<br>ELEMENT CONDITION: Required if L002 is used.<br><br>SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set. | C | ID | 2/2 | 2 | 145 | O | 1 | 20 | 2 | L0 | L003 | 221 | C | ID | 2/2 |
| 173 | 300 | **L1 SEGMENT - Service Rate**<br>SEGMENT CONDITION: Required if and only if L0 SEGMENT - Service Units is used. | C | | | 2 | 150 | O | 20 | 20 | 2 | L0 | | | | | |
| | | | | | | | If either L102 or L103 is present, then the other is required.<br>At least one of L104, L105, or L106 is required.<br>If either L114 or L115 is present, then the other is required.<br>If either L117 or L118 is present, then the other is required. | | | | | | | | | | |
| 173-02 | 300 | Service Rate | C | R | 1/7 | 2 | 150 | O | 20 | 20 | 2 | L0 | L102 | 60 | C | R | 1/9 |

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| 173-03 | 300 | Service Rate Qualifier<br>ELEMENT CONDITION: Required if L102 is used.<br><br>SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments, Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.<br><br>Sample Values: FC, NM, P1, PM, XP | C | ID | 2/2 | 2 | 150 | O | 20 | 20 | 2 | L0 | L103 | 122 | C | ID | 2/2 |
| 173-04 | 300 | Service Charge<br>The charge for an accessorial or protective service. If the shipper does not know the charge, enter '00' in this data element. A two-position decimal is implied in this data. | M | N2 | 1/8 | 2 | 150 | O | 20 | 20 | 2 | L0 | L104 | 58 | C | N2 | 1/12 |
| 173-08 | 300 | Service Identifier Code<br>Code values apply both to services requested and received.<br><br>See Section 6.0 for valid code list.<br><br>SOURCE: Reference Section 6.0 of this IC, beginning on page 6.14, for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.<br><br>Sample Values: 045, 495, 500, AAM, AAS | M | ID | 3/3 | 2 | 150 | O | 20 | 20 | 2 | L0 | L108 | 150 | O | ID | 3/3 |
| 173-12 | 300 | Service Description<br>Some accessorial services such as empty movements and stops (including stop-offs, inside pickup and delivery, and objective service supply deliveries) require a Standard Point Location Code (SPLC) to describe where the service was performed. This information is required to determine the charge for the service.<br><br>SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.<br><br>Sample Values: LTL, TL | C | AN | 2/25 | 2 | 150 | O | 20 | 20 | 2 | L0 | L112 | 276 | O | AN | 2/25 |
| 174 | 300 | **HL SEGMENT - Level of Service Loop**<br>LOOP CONDITION: Use for air freight shipments. | C | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| | | | | | | | 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.<br>The HL segment defines a top-down/left-right ordered structure. | | | | | | | | | | |

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| 174-01 | 300 | Hierarchical ID Number | M | AN | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| | | | | | | | 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. | | | | | | | | | | |
| 174-03 | 300 | Hierarchical Level Code<br>SS - Services | M | ID | 2/2 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| | | | | | | | 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. | | | | | | | | | | |
| 175 | 300 | **SL1 SEGMENT - Level of Service**<br>SEGMENT CONDITION: Required for air freight shipments. | C | | | 2 | 095 | O | 1 | >1 | 1 | HL | | | | | |
| | | | | | | | At least one of SL103 or SL104 is required.<br><br>Scale and commodity codes are proprietary codes maintained by the carrier. | | | | | | | | | | |
| 175-01 | 300 | Service Level Code<br>D1 - Delivery Scheduled Next Day by Cartage Agent<br>*Use 'D1' to denote Overnight.*<br>D2 - Delivery scheduled second day by cartage agent<br>*Use 'D2' to denote Second Day.*<br>D3 - Delivery scheduled third day by cartage agent<br>*Use 'D3' to denote Deferred.*<br>SG - Standard Ground<br>*Use 'SG' to denote Priority.* | M | ID | 2/2 | 2 | 095 | O | 1 | >1 | 1 | HL | SL101 | 284 | M | ID | 2/2 |
| | | | | | | | SL101 is the service requested by the customer. | | | | | | | | | | |
| 175-03 | 300 | Required Element<br>Enter value zero (0) to satisfy X12 syntax. | M | AN | 1/1 | 2 | 095 | O | 1 | >1 | 1 | HL | SL103 | 22 | C | AN | 1/30 |
| 176 | 300 | **L0 SEGMENT - Type of Service**<br>LOOP CONDITION: Required for air freight shipments. | C | | | 2 | 145 | O | 1 | 20 | 2 | L0 | | | | | |
| | | | | | | | If either L002 or L003 is present, then the other is required.<br>If either L004 or L005 is present, then the other is required.<br>If either L006 or L007 is present, then the other is required.<br>If either L008 or L009 is present, then the other is required.<br>If L011 is present, then L004 is required.<br>If either L013 or L015 is present, then the other is required. | | | | | | | | | | |
| 176-12 | 300 | Type of Service Code<br>AA - [Migration Code] Airport to Airport<br>DD - Door to Door | M | ID | 2/2 | 2 | 145 | O | 1 | 20 | 2 | L0 | L012 | 56 | O | ID | 2/2 |
| 177 | 300 | **L1 SEGMENT - Air Code**<br>SEGMENT CONDITION: Required for air freight shipments. | C | | | 2 | 150 | O | 20 | 20 | 2 | L0 | | | | | |
| | | | | | | | If either L102 or L103 is present, then the other is required.<br>At least one of L104, L105, or L106 is required.<br>If either L114 or L115 is present, then the other is required.<br>If either L117 or L118 is present, then the other is required. | | | | | | | | | | |

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| 177-04 | 300 | Air Charge<br>Use value '000'. | M | N2 | 3/3 | 2 | 150 | O | 20 | 20 | 2 | L0 | L104 | 58 | C | N2 | 1/12 |
| 177-08 | 300 | Air Code<br>AIR - Air Freight | M | ID | 3/3 | 2 | 150 | O | 20 | 20 | 2 | L0 | L108 | 150 | O | ID | 3/3 |
| 178 | 301 | **HL SEGMENT - Fuel Surcharge Loop**<br>LOOP CONDITION: Required only when Mode is Air (BX02 code values 'AF'. 'AH', 'FA') or Motor, as long as fuel surcharge policy is in effect. | C | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| | | | | | | | 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.<br>The HL segment defines a top-down/left-right ordered structure. | | | | | | | | | | |
| 178-01 | 301 | Detail - Fuel Surcharge Loop<br>Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe a fuel surcharge. | M | N0 | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| | | | | | | | 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. | | | | | | | | | | |
| 178-03 | 301 | Hierarchical Level Code<br>This code identifies the Fuel Surcharge Loop.<br>2 - Billing Arrangement | M | ID | 1/1 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| | | | | | | | 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. | | | | | | | | | | |
| 179 | 301 | **L0 SEGMENT - Fuel Surcharge Loop Identifier**<br>LOOP CONDITION: Required if and only if HL SEGMENT - Fuel Surcharge Loop is used. | C | | | 2 | 145 | O | 1 | 20 | 2 | L0 | | | | | |
| | | | | | | | If either L002 or L003 is present, then the other is required.<br>If either L004 or L005 is present, then the other is required.<br>If either L006 or L007 is present, then the other is required.<br>If either L008 or L009 is present, then the other is required.<br>If L011 is present, then L004 is required.<br>If either L013 or L015 is present, then the other is required. | | | | | | | | | | |
| 179-01 | 301 | Fuel Surcharge Loop Identifier<br>Use value '301' to indicate fuel surcharge loop. | M | N0 | 3/3 | 2 | 145 | O | 1 | 20 | 2 | L0 | L001 | 213 | O | N0 | 1/3 |
| 180 | 301 | **L1 SEGMENT - Fuel Surcharge**<br>SEGMENT CONDITION: Required if and only if L0 SEGMENT - Fuel Surcharge Loop Identifier is used. | C | | | 2 | 150 | O | 20 | 20 | 2 | L0 | | | | | |
| | | | | | | | If either L102 or L103 is present, then the other is required.<br>At least one of L104, L105, or L106 is required.<br>If either L114 or L115 is present, then the other is required.<br>If either L117 or L118 is present, then the other is required. | | | | | | | | | | |
| 180-02 | 301 | Fuel Surcharge Rate | C | R | 1/7 | 2 | 150 | O | 20 | 20 | 2 | L0 | L102 | 60 | C | R | 1/9 |
| 180-03 | 301 | Fuel Surcharge Rate Qualifier<br>PM - Per Mile<br>PW - Percentage of Charges<br>VT - Per Mile per Vehicle | C | ID | 2/2 | 2 | 150 | O | 20 | 20 | 2 | L0 | L103 | 122 | C | ID | 2/2 |

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| 180-04 | 301 | Fuel Surcharge<br>The charge allowed for fuel surcharge. | M | N2 | 1/8 | 2 | 150 | O | 20 | 20 | 2 | L0 | L104 | 58 | C | N2 | 1/12 |
| 180-08 | 301 | Fuel Surcharge Service Identifier<br>405 - Fuel Surcharge<br>*Use '405' to denote Fuel Surcharge for Air and Fuel Adjustment for non-Air.* | M | ID | 3/3 | 2 | 150 | O | 20 | 20 | 2 | L0 | L108 | 150 | O | ID | 3/3 |
| 181 | 400 | **HL SEGMENT - Commodity Classification Summary Loop**<br>LOOP CONDITION: Required except for ocean and SPOT BID shipments. | C | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| | | | | | | | 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.<br>The HL segment defines a top-down/left-right ordered structure. | | | | | | | | | | |
| 181-01 | 400 | Detail - Commodity Classification Summary Loop<br>Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins a loop used to describe each different type of commodity being moved under the bill. Description of each individual commodity type requires an HL Segment. | M | N0 | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| | | | | | | | 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. | | | | | | | | | | |
| 181-03 | 400 | Hierarchical Level Code<br>This code identifies the Commodity Classification Summary Loop.<br>D - Product Description | M | ID | 1/1 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| | | | | | | | 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. | | | | | | | | | | |
| 182 | 400 | **L7 SEGMENT - Tariff/Tender Rate Authority**<br>SEGMENT CONDITION: Used for SPOT BID shipments as well as ocean shipments. | C | | | 2 | 090 | O | 10 | >1 | 1 | HL | | | | | |
| 182-02 | 400 | Tariff/Tender Rate Authority (SCAC)<br>The Standard Carrier Alpha Code that prefixes the tender number.<br>SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC - STAC), NMF 101 Series available from National Motor Freight Traffic Association, Inc. | M | ID | 2/4 | 2 | 090 | O | 10 | >1 | 1 | HL | L702 | 168 | O | ID | 1/4 |
| 182-03 | 400 | Tariff/Tender Number | M | N0 | 6/6 | 2 | 090 | O | 10 | >1 | 1 | HL | L703 | 171 | O | AN | 1/7 |
| 182-08 | 400 | Tariff/Tender Supplement Identifier<br>Enter two-digit number, using leading zero as required. | C | N0 | 2/2 | 2 | 090 | O | 10 | >1 | 1 | HL | L708 | 173 | O | AN | 1/4 |
| 182-10 | 400 | Tariff/Tender Effective Date<br>Include for Tailored Transportation Contract (TTC) Traffic shipments. | C | DT | 8/8 | 2 | 090 | O | 10 | >1 | 1 | HL | L710 | 373 | O | DT | 8/8 |
| | | | | | | | L710 is the effective date. | | | | | | | | | | |
| 183 | 400 | **L5 SEGMENT - Commodity Description**<br>SEGMENT CONDITION: Required if and only if HL SEGMENT - Commodity Classification Summary<br>Loop is used. | C | | | 2 | 130 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | | If either L503 or L504 is present, then the other is required.<br>If L507 is present, then L506 is required.<br>If either L508 or L509 is present, then the other is required. | | | | | | | | | | |

| DoD INFORMATION | | | | | | X12 SEGMENT INFORMATION | | | | | | | X12 ELEMENT INFORMATION | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Index | DG | Data Name<br>Notes and Codes | DoD Recommended Attributes | | | Tabl | Pos | Req Des | Max Use | Lp Rpt | Lp Lvl | Lp ID | Ref Des | DE # | Attributes | | |
| 183-02 | 400 | Commodity Description<br>[T_8 11/14] | C | AN | 1/50 | 2 | 130 | O | 10 | >1 | 1 | HL | L502 | 79 | O | AN | 1/50 |
| | | | | | | | L502 may be used to send quantity information as part of the product description. | | | | | | | | | | |
| 183-03 | 400 | Commodity Code<br>If the shipment goes FAK, enter the DoD unique FAK code instead of the NMFC/UFC.<br>[T_0 18/18] | M | AN | 6/8 | 2 | 130 | O | 10 | >1 | 1 | HL | L503 | 22 | C | AN | 1/30 |
| 183-04 | 400 | Commodity Code Qualifier<br>D - Department of Defense Unique Codes<br>N - National Motor Freight Classification (NMFC)<br>T - Standard Transportation Commodity Code (STCC)<br>U - Uniform Freight Classification (UFC) | M | ID | 1/1 | 2 | 130 | O | 10 | >1 | 1 | HL | L504 | 23 | C | ID | 1/1 |
| 184 | 400 | **L0 SEGMENT - Commodity Billed/Rated Quantity**<br>LOOP CONDITION: Required if and only if HL SEGMENT - Commodity Classification Summary Loop is used. | C | | | 2 | 145 | O | 1 | 20 | 2 | L0 | | | | | |
| | | | | | | | If either L002 or L003 is present, then the other is required.<br>If either L004 or L005 is present, then the other is required.<br>If either L006 or L007 is present, then the other is required.<br>If either L008 or L009 is present, then the other is required.<br>If L011 is present, then L004 is required.<br>If either L013 or L015 is present, then the other is required. | | | | | | | | | | |
| 184-02 | 400 | Commodity Billed/Rated Quantity<br>All quantities that appear in HL Line Item Description Loops must be accumulated by commodity and carried here within the HL Detail - Commodity Classification Summary Loop. A commodity is a single type of product or material. Transportation of a commodity is usually billed/rated by units of freight weight. A line item on a transportation bill describes a single commodity. The quantity of a line item commodity is described in the HL Detail - Line Item Description loop. There may be many line items (i.e., HL Detail - Line Item Description loops) of the same commodity. As with line item quantities, to describe accumulated quantities, two rules must be followed when constructing an L0 segment: 1) If the accumulated billed/rated quantity is expressed as freight weight, it appears here. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. Entry should not contain a decimal; decimal is assumed at right-most point of the field. The L004, L005, and L011 elements are not used. 2) If the accumulated billed/rated quantity is other than weight, such as barrels in the case of a pipeline shipment, it also appears here. In addition, the L004, L005, and L011 elements are used to carry the accumulated weight information, if required. | M | R | 1/8 | 2 | 145 | O | 1 | 20 | 2 | L0 | L002 | 220 | C | R | 1/11 |
| 184-03 | 400 | Commodity Billed/Rated Quantity Qualifier<br>BA - Barrels<br>GL - Gallon<br>LB - Pound | M | ID | 2/2 | 2 | 145 | O | 1 | 20 | 2 | L0 | L003 | 221 | C | ID | 2/2 |

| DoD INFORMATION | | | | | | X12 SEGMENT INFORMATION | | | | | | | X12 ELEMENT INFORMATION | | | | |
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| 184-04 | 400 | Weight<br>If the commodity freight weight has not been expressed as commodity billed/rated quantity in L002, then it can be expressed here. If the commodity is bulk fuel or another commodity that requires weight in addition to units shipped, carry the commodity's freight weight here and carry the units shipped in L002 and L003. Otherwise, carry all commodity weights in the L002 and L003. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. | C | R | 1/8 | 2 | 145 | O | 1 | 20 | 2 | L0 | L004 | 81 | C | R | 1/10 |
| 184-05 | 400 | Weight Qualifier<br>ELEMENT CONDITION: Required if L004 is used.<br><br>FR - Freight Weight | C | ID | 2/2 | 2 | 145 | O | 1 | 20 | 2 | L0 | L005 | 187 | C | ID | 1/2 |
| 184-11 | 400 | Weight Unit Qualifier<br>ELEMENT CONDITION: Required if L004 is used.<br><br>E - Metric Ton<br><br>G - Grams<br><br>K - Kilograms<br><br>L - Pounds<br><br>M - Measurement Ton<br><br>O - Ounces<br><br>S - Short Ton<br><br>T - Long Ton | C | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L011 | 188 | O | ID | 1/1 |
| 185 | 400 | **L1 SEGMENT - Freight Rate**<br>SEGMENT CONDITION: Required if and only if L0 SEGMENT - Commodity Billed/Rated Quantity<br>is used. | C | | | 2 | 150 | O | 20 | 20 | 2 | L0 | | | | | |
| | | | | | | | If either L102 or L103 is present, then the other is required.<br>At least one of L104, L105, or L106 is required.<br>If either L114 or L115 is present, then the other is required.<br>If either L117 or L118 is present, then the other is required. | | | | | | | | | | |
| 185-02 | 400 | Freight Rate<br>Enter freight rate applied to the shipment of the commodity. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. | C | R | 1/9 | 2 | 150 | O | 20 | 20 | 2 | L0 | L102 | 60 | C | R | 1/9 |
| 185-03 | 400 | Freight Rate Qualifier<br>ELEMENT CONDITION: Required if L102 is used.<br><br>SOURCE: Reference Section 6.0 of this IC for code values using applicable Freight Rate Qualifier table. Common code values associated with multiple definitions prevents documentation of the entire sub-set.<br><br>See Section 6 for list of data values. | C | ID | 2/2 | 2 | 150 | O | 20 | 20 | 2 | L0 | L103 | 122 | C | ID | 2/2 |

| DoD INFORMATION | | | | | | X12 SEGMENT INFORMATION | | | | | | | X12 ELEMENT INFORMATION | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Index | DG | Data Name<br>Notes and Codes | DoD Recommended Attributes | | | Tabl | Pos | Req Des | Max Use | Lp Rpt | Lp Lvl | Lp ID | Ref Des | DE # | Attributes | | |
| 185-04 | 400 | Freight Charge<br>The total line haul charge for the specific commodity described in L503. | M | N2 | 1/10 | 2 | 150 | O | 20 | 20 | 2 | L0 | L104 | 58 | C | N2 | 1/12 |
| 185-09 | 400 | Type of Rate Qualifier<br>Qualifies the authority (tender/tariff) number identified in the HL Detail - Line Item Description loop, L7 segment.<br>A - Alternate Rating<br>C - Specific Commodity Rate<br>I - Class Not Identifiable<br>L - Class Rate<br>QUO - Quoted Rate<br>Y - Exception Rating | M | ID | 1/3 | 2 | 150 | O | 20 | 20 | 2 | L0 | L109 | 121 | O | ID | 1/3 |
| 185-14 | 400 | Declared Value<br>ELEMENT CONDITION: Required for proper application of rates for certain commodities. | C | N2 | 2/10 | 2 | 150 | O | 20 | 20 | 2 | L0 | L114 | 74 | C | N2 | 2/12 |
| 185-15 | 400 | Declared Value Rate Qualifier<br>ELEMENT CONDITION: Required if L114 is used.<br>LA - Per Pound Per Article<br>LB - Per Pound<br>LV - Per Pound Per Vehicle<br>PV - Per Vehicle | C | ID | 2/2 | 2 | 150 | O | 20 | 20 | 2 | L0 | L115 | 122 | C | ID | 2/2 |
| 186 | 400 | **LH1 SEGMENT - HAZMAT Quantities**<br>LOOP CONDITION: Use this segment if the commodity is hazardous material. | C | | | 2 | 170 | O | 1 | 100 | 2 | LH1 | | | | | |
| 186-01 | 400 | HAZMAT - Unit Of Measure Code<br>Use 'ZZ' in this data element and zero (0) in LH102 to indicate commodity requires a HAZMAT indicator.<br>ZZ - Mutually Defined | M | ID | 2/2 | 2 | 170 | O | 1 | 100 | 2 | LH1 | LH101 | 355 | M | ID | 2/2 |
| | | | | | | | LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements. | | | | | | | | | | |
| 186-02 | 400 | HAZMAT - Lading Quantity<br>Use the value zero (0).<br>[T_9 D-15 54/79] | M | N0 | 1/1 | 2 | 170 | O | 1 | 100 | 2 | LH1 | LH102 | 80 | M | N0 | 1/7 |

| DoD INFORMATION | | | | | | X12 SEGMENT INFORMATION | | | | | | | X12 ELEMENT INFORMATION | | | | |
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| Index | DG | Data Name<br>Notes and Codes | DoD Recommended Attributes | | | Tabl | Pos | Req Des | Max Use | Lp Rpt | Lp Lvl | Lp ID | Ref Des | DE # | Attributes | | |
| 187 | 500 | **HL SEGMENT - ITO Quality Management Info Loop Qualifier**<br>LOOP CONDITION: Use if the shipper needs to report quality control information, DG 500 must appear. | C | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| | | | | | | | 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.<br>The HL segment defines a top-down/left-right ordered structure. | | | | | | | | | | |
| 187-01 | 500 | Detail - ITO Quality Management Info Loop Qualifier<br>Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to carry ITO Quality Management Information. | M | N0 | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| | | | | | | | 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. | | | | | | | | | | |
| 187-03 | 500 | Hierarchical Level Code<br>This code identifies the ITO Quality Management Information Loop.<br><br>AD - Administrative Information | M | ID | 2/2 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| | | | | | | | 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. | | | | | | | | | | |
| 188 | 500 | **N9 SEGMENT - Reason (Not Lowest Cost)**<br>SEGMENT CONDITION: Required only if HL SEGMENT - ITO Quality Management Info Loop Qualifier is used. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | | At least one of N902 or N903 is required.<br>If N906 is present, then N905 is required. | | | | | | | | | | |
| 188-01 | 500 | Reason (Not Lowest Cost) Qualifier<br>This qualifier must appear if not lowest cost is used.<br><br>25 - Reason Not Lowest Cost Code | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 188-02 | 500 | Reason (Not Lowest Cost)<br>Code that identifies the 'Reason Not Lowest Cost' service provided as defined by the "Freight Lading Bill Reason Code" table found in USTranscom Reference Data Management (TRDM), mirrored at http://www.transcom.mil/dteb/files/refdata/V_D_FRGHT_LDNG_BL4_CD.htm.<br><br>[T_9 D-13 78/79] | M | AN | 1/30 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 189 | 500 | **L0 SEGMENT - Quality Control**<br>LOOP CONDITION: This segment is required only if HL SEGMENT - ITO Quality Management Info Loop Qualifier is used. | C | | | 2 | 145 | O | 1 | 20 | 2 | L0 | | | | | |
| | | | | | | | If either L002 or L003 is present, then the other is required.<br>If either L004 or L005 is present, then the other is required.<br>If either L006 or L007 is present, then the other is required.<br>If either L008 or L009 is present, then the other is required.<br>If L011 is present, then L004 is required.<br>If either L013 or L015 is present, then the other is required. | | | | | | | | | | |
| 189-01 | 500 | Item Qualifier<br>Use value '500' to satisfy X12 syntax for the Not Lowest Cost Charge Difference Loop. | M | N0 | 3/3 | 2 | 145 | O | 1 | 20 | 2 | L0 | L001 | 213 | O | N0 | 1/3 |
| 190 | 500 | **L1 SEGMENT - Not Lowest Cost Charge Difference**<br>SEGMENT CONDITION: Required if and only if L0 SEGMENT - Quality Control is used. | C | | | 2 | 150 | O | 20 | 20 | 2 | L0 | | | | | |
| | | | | | | | If either L102 or L103 is present, then the other is required.<br>At least one of L104, L105, or L106 is required.<br>If either L114 or L115 is present, then the other is required.<br>If either L117 or L118 is present, then the other is required. | | | | | | | | | | |

| DoD INFORMATION | | | | | | X12 SEGMENT INFORMATION | | | | | | | X12 ELEMENT INFORMATION | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Index | DG | Data Name<br>Notes and Codes | DoD Recommended Attributes | | | Tabl | Pos | Req Des | Max Use | Lp Rpt | Lp Lvl | Lp ID | Ref Des | DE # | Attributes | | |
| 190-04 | 500 | Not Lowest Cost Charge Difference<br>Use value zero (0) if no charge difference is available. | M | N2 | 1/8 | 2 | 150 | O | 20 | 20 | 2 | L0 | L104 | 58 | C | N2 | 1/12 |
| 191 | 600 | **HL SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee Loop**<br>LOOP CONDITION: Required for all Defense Freight Transportation Services (DFTS) shipments. | C | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| | | | | | | | 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.<br>The HL segment defines a top-down/left-right ordered structure. | | | | | | | | | | |
| 191-01 | 600 | Detail - TWCF Recovery Fee Loop<br>Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe the TWCF recovery fee associated to DFTS shipments. | M | N0 | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| | | | | | | | 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. | | | | | | | | | | |
| 191-03 | 600 | Hierarchical Level Code<br>This code identifies the TWCF Recovery Fee Loop.<br>CT - Cost Type<br>*Use 'CT' to denote Transportation Working Capital Fund (TWCF) Recovery Fee.* | M | ID | 2/2 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| | | | | | | | 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. | | | | | | | | | | |
| 192 | 600 | **L0 SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee Loop Identifier**<br>LOOP CONDITION: Required if and only if HL SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee Loop is used. | C | | | 2 | 145 | O | 1 | 20 | 2 | L0 | | | | | |
| | | | | | | | If either L002 or L003 is present, then the other is required.<br>If either L004 or L005 is present, then the other is required.<br>If either L006 or L007 is present, then the other is required.<br>If either L008 or L009 is present, then the other is required.<br>If L011 is present, then L004 is required.<br>If either L013 or L015 is present, then the other is required. | | | | | | | | | | |
| 192-01 | 600 | TWCF Recovery Fee Loop Identifier<br>Use value '600' to indicate TWCF Recovery Fee loop. | M | N0 | 3/3 | 2 | 145 | O | 1 | 20 | 2 | L0 | L001 | 213 | O | N0 | 1/3 |
| 193 | 600 | **L1 SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee**<br>SEGMENT CONDITION: Required if and only if L0 SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee Loop Identifier is used. | C | | | 2 | 150 | O | 20 | 20 | 2 | L0 | | | | | |
| | | | | | | | If either L102 or L103 is present, then the other is required.<br>At least one of L104, L105, or L106 is required.<br>If either L114 or L115 is present, then the other is required.<br>If either L117 or L118 is present, then the other is required. | | | | | | | | | | |
| 193-02 | 600 | TWCF Recovery Fee Rate<br>ELEMENT CONDITION: Used to pass the TWCF Recovery Fee rate applied per the DFTS contract. | C | R | 1/7 | 2 | 150 | O | 20 | 20 | 2 | L0 | L102 | 60 | C | R | 1/9 |
| 193-03 | 600 | TWCF Recovery Fee Qualifier<br>PS - Per Shipment | C | ID | 2/2 | 2 | 150 | O | 20 | 20 | 2 | L0 | L103 | 122 | C | ID | 2/2 |
| 193-04 | 600 | TWCF Recovery Fee<br>The charge allowed for TWCF recovery fee. | M | N2 | 1/8 | 2 | 150 | O | 20 | 20 | 2 | L0 | L104 | 58 | C | N2 | 1/12 |

| DoD INFORMATION | | | | | | X12 SEGMENT INFORMATION | | | | | | | X12 ELEMENT INFORMATION | | | | |
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| Index | DG | Data Name<br>Notes and Codes | DoD Recommended Attributes | | | Tabl | Pos | Req Des | Max Use | Lp Rpt | Lp Lvl | Lp ID | Ref Des | DE # | Attributes | | |
| 193-08 | 600 | TWCF Recovery Fee Service Identifier<br>615 - Recovery Fee<br>*Use '615' to denote Transportation Working Capital Fund (TWCF) Recovery Fee.* | M | ID | 3/3 | 2 | 150 | O | 20 | 20 | 2 | L0 | L108 | 150 | O | ID | 3/3 |
| 194 | 990 | **L3 SEGMENT - Bill of Lading Totals** | M | | | 3 | 010 | O | 1 | | | | | | | | |
| | | | | | | If either L301 or L302 is present, then the other is required.<br>If either L303 or L304 is present, then the other is required.<br>If either L309 or L310 is present, then the other is required.<br>If L312 is present, then L301 is required.<br>If either L314 or L315 is present, then the other is required. | | | | | | | | | | | |
| 194-05 | 990 | Total Charge for Shipment<br>Estimated or calculated charge for entire shipment. | M | N2 | 1/12 | 3 | 010 | O | 1 | | | | L305 | 58 | O | N2 | 1/12 |
| 194-09 | 990 | Total Cube of Shipment<br>[T_0 77/80] | C | R | 1/8 | 3 | 010 | O | 1 | | | | L309 | 183 | C | R | 1/8 |
| 194-10 | 990 | Total Cube of Shipment Qualifier<br>ELEMENT CONDITION: This qualifier must appear if total cube of shipment (L309) is used.<br>E - Cubic Feet<br>F - 100 Board Feet<br>G - Gallons<br>H - Hundreds of Measurement Tons<br>S - Measurement Ton<br>V - Liter<br>X - Cubic Meters | C | ID | 1/1 | 3 | 010 | O | 1 | | | | L310 | 184 | C | ID | 1/1 |
| 194-11 | 990 | Number of Carloads/Truckloads Used<br>The total number of pieces of equipment used for the shipment. This quantity may be used to rate the cost of a shipment. | C | N0 | 1/3 | 3 | 010 | O | 1 | | | | L311 | 80 | O | N0 | 1/7 |
| 195 | 10 | **SE SEGMENT - Bill of Lading Trailer** | M | | | 3 | 020 | M | 1 | | | | | | | | |
| | | | | | | SE is the last segment of each transaction set. | | | | | | | | | | | |
| 195-01 | 10 | Number of Included Segments<br>Total segments in this transaction set including the ST and SE segments. | M | N0 | 1/6 | 3 | 020 | M | 1 | | | | SE01 | 96 | M | N0 | 1/10 |
| 195-02 | 10 | Transaction Set Control Number<br>This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set. | M | AN | 4/9 | 3 | 020 | M | 1 | | | | SE02 | 329 | M | AN | 4/9 |

# Section 5.0

# IC ELEMENTS IN EDI FORMAT

This appendix contains examples of the bill of lading in the ASC X12 Transaction Set 858 format. The examples include:

Example 1 - Rail Shipment of Shipper Owned Containers on a Railcar

Example 2.1 - Accessorial Escort Service from ITO to MSDDC

Example 2.2 - Accessorial Service from ITO to MSDDC when billable units are not required

Example 3 – Bill of Lading Correction Indicator String

## How to Read the Examples

Each example approximates a complete X12 transaction. Each example begins with a transaction header segment (ST) and ends with a transaction trailer segment (SE) and represents a complete transaction unless otherwise noted. Data element separators are delimited with a tilde (“~”). Sub-element separators are delimited with a colon (“:”). The new line (“n/l”) character delimits end of segment. Notes in **bold text** explain key segments in the transaction.

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# EXAMPLE 1 - Rail Shipment of Shipper Owned Containers on a Railcar

## TABLE A - HEADER AREA

| | |
|---|---|
| ST~858~431240001 n/l | **Transaction set header** |
| BX~00~R~CC~C1421643~CSXT~~G~~F n/l | **Bill of lading number (BX07 identifies a TTC Traffic bill)** |
| BNX~S~~V n/l | |
| N9~FI~SI n/l | **Transaction content** |
| N9~RG~1SXX09995N n/l | **Route order number** |
| N9~CN~{carrier freight bill no.}~~{date} n/l | |
| N9~CT~{contract number}~~{date} n/l | |
| Y7~{transportation priority code} n/l | |
| G62~76~19880523 n/l | **Date bill was prepared** |
| G62~68~19880525 n/l | **Pickup date** |
| PER~IC~~TE~3013207272 n/l | **Shipment contact telephone no.** |
| PER~EF~~TE~7037560000 n/l | **Emergency contact telephone no.** |
| F9~~Jacksonville~NC~~~~~{splc} n/l | **Originating rail station** |
| D9~~Charleston~SC~~~~~{splc} n/l | **Destination rail station** |
| R2~CSXT~1~Jacksonville n/l | |
| H3~~ECS n/l | **Accessorial service request** |
| N7~TTWX~993476~1490~N~~~~~~~~~~~08904 ~~~~~~~KF2x n/l | **1st railcar** |
| N5~08904~1490~~KF2x n/l | **Equipment ordered** |
| N1~CA~CSXT n/l | **Carrier** |
| N1~ST~Marine Corps Maint. Cmd~10~M92502 n/l | **Destination** |
| N3~5880 Gateco Blvd, Blount Isle n/l | |
| N4~Jacksonville~FL~32218~~SL~491200000 n/l | |
| N1~SF~Traffic Management Office~10~DoDAAC n/l | **Origin** |
| N3~Naval Weapons Station n/l | |
| N4~Charleston~SC~294087000~~SL~447178000 n/l | |
| N1~CN~Marine Corps Maint. Cmd n/l | **Consignee** |
| N3~5880 Gateco Blvd, Blount Isle n/l | |
| N4~Jacksonville~FL~32218~BL~ICOI n/l | |
| N1~SH~Traffic Management Office~10~N00612 n/l | **Shipper** |
| N3~Naval Weapons Station n/l | |
| N4~Charleston~SC~294087000 n/l | |

N1~PO~Commanding General n/l **Bill charges to**
N3~Marine Corps Logistics Base n/l
N4~Albany~GA~317045000 n/l
N1~IU~Traffic Management Office n/l **Issuing office**
N3~Naval Weapons Station n/l
N4~Charleston~SC~294087000 n/l
PER~IO~D.L. Allen n/l
FA1~DF n/l **Accounting Information**
FA2~{Breakdown Structure Detail Code}~{Financial Information Code}
L10~{Appropriation Weight}~N~L n/l

# TABLE B - DETAIL AREA

| | |
|---|---|
| HL~1~~I n/l | **100 Detail - Line Item Description Loop, LINE ITEM 1** |
| N7~TTWX~993476 n/l | **Cross reference to primary equipment** |
| NA~~~DODV~0331011 n/l | **Shipper-owned equipment** |
| M7~0286446 n/l | |
| N9~TG~00001410011352092 n/l | **TCN** |
| N9~M6~2 n/l | |
| L5~~~{UFC no.}~D n/l | **Line description** |
| LH6~M. B. MEIERDIERKS~2~ | |
| THIS IS TO CERTIFY THAT THE HEREIN NAMED n/l | **Additional Hazmat Info** |
| LH6~M. B. MEIERDIERKS~2~ | |
| MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED n/l | |
| LH6~M. B. MEIERDIERKS~2~ | |
| MARKED, AND LABELED AND ARE IN PROPER CONDITION n/l | |
| LH6~M. B. MEIERDIERKS~2~ | |
| FOR TRANSPORTATION ACCORDING TO THE APPLICABLE n/l | |
| LH6~M. B. MEIERDIERKS~2~ | |
| REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION n/l | |
| L0~~1800~LB~~~104.7~E~18~BOX n/l | **Weights and quantity** |
| MEA~NX~~206.46~PN n/l | **Net explosive weight** |
| MEA~NX~~93.85~KG n/l | |
| LH1~BX~18~UN0181~~~LB~1800~~R~II n/l | **Hazmat information** |
| LH2~1.1E~P n/l | |
| LH3~Rockets with Bursting Charge n/l | |
| FA1~DF n/l | **Accounting Information** |
| FA2~{Breakdown Structure Detail Code}~{Financial Information Code} | |

| | |
|---|---|
| HL~2~~I n/l | **100 Detail - Line Item Description Loop, LINE ITEM 2** |
| N7~TTWX~993476 n/l | **Cross reference to primary equipment** |
| NA~~~DODV~0331011 n/l | **Shipper-owned equipment** |
| M7~0286446 n/l | |
| N9~TG~00001425010249982 n/l | |
| N9~M6~2 n/l | |
| N9~1I~{DoDIC} n/l | **DoDIC** |
| L5~~~{UFC no.}~D n/l | |
| L0~~2514.7~LB~~~223.6~E~24~BOX n/l | |

MEA~NX~~20.64~PN n/l
MEA~NX~~9.38~KG n/l
LH1~ BX~18~UN0181~~~LB~1800~~R~II n/l
LH2~1.1E~P n/l
LH3~Rockets with Bursting Charge~D n/l
FA1~DF n/l **Accounting Information**
FA2~{Breakdown Structure Detail Code}~{Financial Information Code}

HL~3~~I n/l **100 Detail - Line Item Description Loop, LINE ITEM 3**
N7~TTWX~993476 n/l **Cross reference to primary equipment**
NA~~~DODV~0331011 n/l **Shipper-owned equipment**
M7~0286446 n/l
N9~TG~00001427012271722 n/l
N9~M6~2 n/l
N9~1I~{DoDIC} n/l
L5~~~{UFC no.}~D n/l
L0~~2016~LB~~~197.0~E~28~BOX n/l
MEA~NX~~168.00~PN n/l
MEA~NX~~76.36~KG n/l
LH1~BX~18~UN0181~~~LB~1800~~R~II n/l
LH2~1.1E~P n/l
LH3~Rockets with Bursting Charge~D n/l
FA1~DF n/l **Accounting Information**
FA2~{Breakdown Structure Detail Code}~{Financial Information Code}

HL~4~~I n/l **100 Detail - Line Item Description Loop, LINE ITEM 4**
N7~TTWX~993476 n/l **Cross reference to primary equipment**
NA~~~DODV~0350602 n/l **Shipper-owned equipment**
M7~0286491 n/l
N9~TG~00001325010150359 n/l
N9~M6~4 n/l
N9~1I~{DoDIC} n/l **DoDIC**
L5~~~{UFC no.}~D n/l
L0~~19800~LB~~~720.4~E~24~BOX n/l
MEA~NX~~2400.00~PN n/l
MEA~NX~~1090.9~KG n/l

| | |
|---|---|
| LH1~BX~18~UN0181~~~LB~1800~~R~II n/l | |
| LH2~1.1D~P n/l | |
| LH3~Rockets with Bursting Charge~D n/l | |
| FA1~DF n/l | **Accounting Information** |
| FA2~{Breakdown Structure Detail Code}~{Financial Information Code} | |
| | |
| HL~5~~I n/l | **100 Detail - Line Item Description Loop, LINE ITEM 5** |
| N7~TTWX~993476 n/l | **Cross reference to primary equipment** |
| NA~~~DODV~0331011 n/l | **Shipper-owned equipment** |
| M7~0286491 n/l | |
| N9~TG~00001410000238115 n/l | |
| N9~1I~ML05 n/l | **DoDIC** |
| L5~~~{UFC no.}~D n/l | |
| L0~~5200~LB~~~0.0~E~1~CNT n/l | |
| MEA~SK~B~200.5~PN n/l | **Weight of the skid used for this type pack** |
| MEA~DN~B~20.5~PN n/l | **Weight of the dunnage for this type pack** |
| FA1~DF n/l | **Accounting Information** |
| FA2~{Breakdown Structure Detail Code}~{Financial Information Code} | |
| | |
| HL~6~~PH n/l | **200 Detail - Weights Description Loop** |
| L0~~~~31551.70~N~~~~~~L n/l | **Original shipment net weight** |
| FA1~DF n/l | **Accounting Information** |
| FA2~{Breakdown Structure Detail Code}~{Financial Information Code} | |
| | |
| HL~7~~PH n/l | |
| L0~~~~2795.10~CE~~~~~~L n/l | **Original shipment net explosive weight** |
| FA1~DF n/l | **Accounting Information** |
| FA2~{Breakdown Structure Detail Code}~{Financial Information Code} | |
| | |
| HL~8~~PH n/l | **Original shipment skid weight** |
| L0~~~~200.5~SK n/l | |
| FA1~DF n/l | **Accounting Information** |
| FA2~{Breakdown Structure Detail Code}~{Financial Information Code} | |
| | |
| HL~9~~PH n/l | **Original shipment dunnage weight** |

| | |
|---|---|
| L0~~~~20.5~CD n/l | |
| FA1~DF n/l | **Accounting Information** |
| FA2~{Breakdown Structure Detail Code}~{Financial Information Code} | |
| | |
| HL~10~~PH n/l | **Original shipment freight weight** |
| L0~~~~31330.7~FR n/l | |
| FA1~DF n/l | **Accounting Information** |
| FA2~{Breakdown Structure Detail Code}~{Financial Information Code} | |
| | |
| HL~11~~SS n/l | **Accessorial Loop** |
| N9~1P~~19880525 n/l | **Date service performed** |
| L0~300~50~NC n/l | **Rate qualifier/minimum per shipment** |
| L1~~50.00~FC~5000~~~~HHB n/l | **Charge and type of service** |
| FA1~DF n/l | **Accounting Information** |
| FA2~{Breakdown Structure Detail Code}~{Financial Information Code} | |
| | |
| HL~12~~D n/l | **Commodity summary loop** |
| L7~~CSXT~600583 n/l | **Effective tender for this commodity** |
| L5~~~{UFC No.}~U n/l | **Commodity code** |
| L0~~{Total UFC qty}~LB~{Total UFC qty}~FR~~~~~~L n/l | **Total quantity and weight** |
| L1~~.0035~HM~~~~~~~~~~~168~LB n/l | **Rate and declared value** |
| FA1~DF n/l | **Accounting Information** |
| FA2~{Breakdown Structure Detail Code}~{Financial Information Code} | |
| | |
| HL~13~~AD n/l | **ITO quality management loop** |
| N9~25~A n/l | **Not lowest cost reason code** |
| L0~500 n/l | |
| L1~~~~10000 n/l | **Difference between actual cost and lowest cost ($100.00)** |
| FA1~DF n/l | **Accounting Information** |
| FA2~{Breakdown Structure Detail Code}~{Financial Information Code} | |

# TABLE C - SUMMARY AREA

| | |
|---|---|
| L3~~~~~7165600~~~~1245.7~E~1 n/l | **Estimated charges** |
| SE~{total segments in transaction set}~431240001 n/l | **Transaction set trailer** |

# EXAMPLE 2.1 - Accessorial Service From ITO to MSDDC

## TABLE B - DETAIL AREA

This example shows how an Installation Transportation Office (ITO) will send accessorial service information to the CONUS Freight Management System (CFMS). The service presented in this example is Escort Service (DoD code ES). Escort service information must be identified for each day the service is ordered. Each day's information is represented by a separate HL loop. Each day's information will consist of three types of units of service: number of escort miles, number of escort vehicles, and number of escort persons. Each of these variable units is represented by a separate L0 loop. The first L0 loop will also include an L1 segment identifying the service.

| | |
|---|---|
| HL~3~~ss n/l | **300 Detail - Accessorial and Protective Service Loop. This HL loop describes FIRST DAY service.** |
| N9~1P~DP~~19920317 | **Date service performed.** |
| L0~300~250~DM n/l | **250 miles.** |
| L1~~~~00~~~~MES n/l | **DoD service code. Must be in first L0 loop.** |
| L0~300~2~NV n/l | **2 vehicles.** |
| L0~300~4~PR n/l | **4 persons.** |

| | |
|---|---|
| HL~4~~SS n/l | **300 Detail - Accessorial and Protective Service Loop. This HL loop describes SECOND DAY service.** |
| N9~1P~DP~~19920318 | **Date service performed. Must be in first L0 loop.** |
| L0~300~125~DM n/l | **125 miles.** |
| L1~~~~00~~~~MES n/l | **DoD service code. Must be in first L0 loop.** |
| L0~300~1~NV n/l | **1 vehicle.** |
| L0~300~2~PR n/l | **2 persons.** |

# EXAMPLE 2.2 - Accessorial Service From ITO to MSDDC

## TABLE B - DETAIL AREA

This example shows how an ITO will send accessorial service information to CFMS when billable units (L003) are not required. The service presented in this example is Overweight Permit (DoD code OW).

| | |
|---|---|
| HL~3~~SS n/l | **300 Detail - Accessorial and Protective Service Loop. This HL loop describes FIRST DAY service.** |
| N9~1P~DP~~19920318 | **Date service performed.** |
| L0~300 n/l | **This segment required by X12 syntax rules.** |
| L1~~~~00~~~~PER n/l | **DoD service code.** |

# EXAMPLE 3 - Bill of Lading Correction Indicator String.

## NTE SEGMENT

The bill of lading correction indicator string is 8 character positions long. Each character position corresponds to specific data elements or groups of data elements in the bill of lading. For example, the 6th character position indicates if there is a change to bill of lading equipment data. Building the string using 'Y' and 'N' characters, the finance center indicates which data elements are affected by the bill of lading correction. A 'Y' indicates a change and an 'N' indicates no change.

## TABLE B-1 BILL OF LADING SHIPMENT INFORMATION CORRECTION INDICATORS

| ***Indicator Position*** | ***Description*** |
|---|---|
| 1 | Accounting Classification - Indicates a change to one or more accounting classifications. |
| 2 | Authorized Services - Indicates a change to one or more authorized services (accessorials), including service quantities, service quantity qualifiers, and service codes. |
| 3 | Basic Bill of Lading Data - Indicates a change to any of the basic bill of lading information (such as weights, shipping origin/destination, commodity information, diversion information, linehaul rates, tariff information, pick-up/delivery dates, etc.). |
| 4 | Not used. |
| 5 | Cost Data - Indicates a change to costed amounts and accessorial rate/rate qualifier information. |
| 6 | Equipment Data - Indicates a change in equipment codes, lengths, and capacities. |
| 7 | Not used. |
| 8 | Routing and Stop-Off Data - Indicates a change of routing standard carrier alpha codes as well as stop-off standard point locations. |

## EXAMPLE:

The following string indicates a change to the bill of lading accounting classification, its authorized services, and its equipment date.

NTE~CHG~YYNNNYNN n/l

(Blank Page)

# SECTION 6.0

## APPLICATION CODE LISTS

This section contains code lists that are maintained by the Department of Defense for formatting freight bill of lading data to the ASC X12 Transaction Set 858. PLEASE NOTE: Tables display X12 Code Definitions where DoD definitions differ.

## [2-02] – Transportation Method Code (Mode Code)

858 Mapping: 1 30 BX02 91

| X12 Code | | DOD Definition |
|---|---|---|
| 6 | | Military Official Mail |
| A | | Air |
| AE | | Air Express |
| AF | | Air Freight |
| AH | | Air Taxi |
| B | | Barge |
| BU | | Bus |
| D | | Parcel Post |
| DA | | Driveaway Service |
| DW | | Driveaway, Truckaway, Towaway |
| ED<br>*X12 Definition:* | | Air Mobility Command (AMC) Transportation Method/Type Code<br>*European or Pacific Distribution System* |
| FA | | Air Freight Forwarder |
| IP | * | Intermodal (Personal Property) |
| J<br>*X12 Definition:* | | Motor, Truckload<br>*Motor* |
| L | | Contract Carrier |
| LA<br>*X12 Definition:* | | Military Air<br>*Logair* |
| LD | * | Local Delivery |
| LT<br>*X12 Definition:* | | Motor, Less than Truckload<br>*Less Than Trailer Load (LTL)* |
| MP | | Motor (Package Carrier) |
| MS | * | Military Sealift Command (MSC), Controlled, Contract, or Arranged Space |
| PL | | Pipeline |
| R | | Rail |
| RO | * | Ocean (Roll on – Roll off) |
| SB | | Shipper Agent |
| SC | | Shipper Agent (Truck) |
| SD<br>*X12 Definition:* | | Shipper Association Surface<br>*Shipper Association* |
| SF | * | Surface Freight Forwarder |
| TA | | Towaway Service |
| U<br>*X12 Definition:* | | Package Express<br>*Private Parcel Service* |
| W | | Inland Waterway |
| WP | | Water or Pipeline Intermodal Movement |

| | |
|---|---|
| X | Rail Intermodal Piggyback (TOFC/COFC) |
| *X12 Definition:* | Intermodal (Piggyback) |

* Migration Code

# [32-01] – Accessorial/Protective Service Ordered Identifier

858 Mapping: 1 200 H301 152

# [173-08] – Service Identifier Code

858 Mapping: 2 150 L1080 150

## Accessorial Service for Rail Shipments

| X12 Code | | DOD Definition | L003 221 [172-03] | L103 122 [173-03] | L112 276 [173-12] |
|---|---|---|---|---|---|
| 045<br>*X12 Definition:* | | Advancing Charges<br>*Advanced Fee* | EA | P1 | |
| 495<br>*X12 Definition:* | B | Crane at Destination<br>*Miscellaneous - Destination* | | | |
| 500<br>*X12 Definition:* | B | Crane at Origin<br>*Miscellaneous – Origin* | | | |
| AAM<br>*X12 Definition:* | B | Protective Material Provided for Blocking and Bracing<br>*Additional Material* | | | |
| AAS | | Attendants Accompanying | PR | NM, XP | |
| ARG | | Rail Armed Guard Service | | PM, FC | |
| BLK<br>*X12 Definition:* | B | Carrier to Block, Brace, and Tie Down<br>*Blocking and Bracing Charge* | | | |
| CCS | | Carrier Caboose Charge | NC | VT | |
| CGC<br>*X12 Definition:* | | Carrier Guard Cars<br>*Carrier Guard Car Charge* | NC | VT | |
| CGR<br>*X12 Definition:* | | Government Caboose/Guard Cars Returned<br>*Return Carrier Guard Car Charge* | NC | VT | (Return SPLC) |
| CR<br>*X12 Definition:* | B | Portable Ramps at Origin<br>*Circus Ramp Only (TOFC Van)* | | | |
| CSP | | Government Caboose Charge | NC | VT | |
| DEM | B | Demurrage | TD | DV | |
| DPD<br>*X12 Definition:* | B | Drayage at Destination<br>*Drayage at Port of Debarkation* | | | |
| DPE<br>*X12 Definition:* | B | Drayage at Origin<br>*Drayage at Port of Embarkation* | | | |
| ECS<br>*X12 Definition:* | | Empty Cars Ordered but Not Used<br>*Empty Railcar Ordered But Not Used Charge* | NC | PC | |
| EXC | | Exclusive Use of Vehicle | | VT | |
| GSP | | Government Guard Car Charge | NC | VT | |
| GSS | | Greater Security Service | | PC | |
| HHB | M | Handling Freight Not Adjacent to Vehicle | LC | CW, MS, MP | |
| HOL | | Sunday or Holiday Pick-Up or Delivery | TH, DR | MH, MN | |
| HRS | | Heater or Refrigeration | NC | PM, MC | |
| IDC | | Idler Car Charge | NC | PC | |
| IMS<br>*X12 Definition:* | | Intermodal Shipment<br>*Intermodal Shipment Service* | EA | ER | |
| LDA<br>*X12 Definition:* | B | Carrier to Load<br>*Loading Allowance* | | | |
| LDL<br>*X12 Definition:* | B | Carrier to Unload<br>*Unloading Allowance* | | | |

| | | | | | |
|---|---|---|---|---|---|
| LFD<br>*X12 Definition:* | B | Dedicated Switch Engine Crew at Destination<br>*Linehaul From Port of Debarkation* | | | |
| LMD<br>*X12 Definition:* | B | Dedicated Switch Engine at Destination<br>*Liner Terms at Port of Debarkation* | | | |
| LME<br>*X12 Definition:* | B | Dedicated Switch Engine at Origin<br>*Liner Terms at Port of Embarkation* | | | |
| LTE<br>*X12 Definition:* | B | Dedicated Switch Engine Crew at Origin<br>*Linehaul to Port of Embarkation* | | | |
| MOT<br>*X12 Definition:* | B | Protective Materials Provided for Blocking and Bracing<br>*Other* | | | |
| OCL<br>*X12 Definition:* | B | Carrier to Load<br>*Carrier Load and Consignee Unload* | | | |
| OOL<br>*X12 Definition:* | B | Carrier to Unload<br>*Carrier Load and Carrier Unload* | | | |
| PRL<br>*X12 Definition:* | | Prelodging<br>*Prelodge Charge* | NV | PV | |
| PUD | | Pick-Up and Delivery | TH, DR | MH, ND | |
| RAM<br>*X12 Definition:* | B | Portable Ramps at Destination<br>*Ramping* | | | |
| RCL | | Redelivery | | CW, MS, MP | |
| RDH<br>*X12 Definition:* | B | Technical Assistance for Loading Rail Cars<br>*Railhead Handling* | | | |
| RIS | M | Rail Inspection Service | DM, NC | MV, MC, FC | |
| RLS | | Relocation of Vehicle | EA | RL | |
| RMC | | Return of Empty Container Charge | | | |
| RMP | | Return Movement of Pallet Charge | | | |
| SAT<br>*X12 Definition:* | | Saturday Pick-Up Charge<br>*Saturday Pick-Up or Delivery Charge* | TH, DR | MH, MN | |
| SFT<br>*X12 Definition:* | | Special Train Service<br>*Special Train Movement* | | PM, MP, MS | |
| SOC | | Stop-Off Charge | | SP | |
| SPU | | Split Pickup | SP | SP | |
| SUA<br>*X12 Definition:* | B | Crane at Destination<br>*Spot for Unloading from A End* | | | |
| SUB<br>*X12 Definition:* | B | Crane at Origin<br>*Spot for Unloading from B Brake End* | | | |
| SUC<br>*X12 Definition:* | B | Portable Ramps at Origin<br>*Special Use* | | | |
| SUP<br>*X12 Definition:* | B | Inspector Requested for Loading<br>*Supervisor Requested* | | | |
| SVS | | Storage of Vehicles | TD | DV | |
| TER<br>*X12 Definition:* | B | Carrier to Unblock, Unbrace, and Untie<br>*Terminal Handling Charges* | | | |
| TMV | | Tendering of Multiple Vehicles | TH | PD | |
| UB<br>*X12 Definition:* | B | Portable Ramps at Destination<br>*Unload at Bumper (Circus Ramp)* | | | |
| URC<br>*X12 Definition:* | | Loading/Unloading<br>*Unloading/Reloading Charge* | LC | CW, MN | |
| VFN | | Vehicles Furnished But Not Used | NV | VT, PV | (Dispatch SPLC) |
| WTV | | Weight Verification Charge | | PC | |

[B] Borrowed code from DE 150 per DM 617
[M] Migration code

# Accessorial Service for Tailored Transportation Contract Traffic Shipments

| Item Number | X12 Code | DOD Definition | L003 221 [172-03] | L103 122 [173-03] | L112 276 [173-12] |
|---|---|---|---|---|---|
| | 405 | Fuel Surcharge | | PW | |
| 105 | CIS<br>*X12 Definition:* | DOD Constant Surveillance Service<br>*Constant Surveillance* | | VT, MW | |
| 140 | 675<br>*X12 Definition:* | Signature and Tally Record Service<br>*Security Signature Service* | FR | PS | |
| 205 | 045<br>*X12 Definition:* | Advancing Charges<br>*Advance Fee* | EA | P1 | |
| 255 | CHN<br>*X12 Definition:* | Chains and Binders<br>*Chain and Binders* | EA | ER | |
| 285 | DEP<br>*X12 Definition:* | Detention: Vehicles with Power Units<br>*Detention of Power Units* | TH | PR | |
| 290 | DET<br>*X12 Definition:* | Detention: Vehicle Without Power Units<br>*Detention of Trailers* | | DV | |
| 310 | EXC<br>*X12 Definition:* | Exclusive User of Vehicle<br>*Exclusive Use Charge* | | VT | |
| 320 | EXD | Extra Driver | DR | PM, MW | |
| 350 | LIE<br>*X12 Definition:* | Cargo Liability of Carrier<br>*Liability of Carrier Charge* | | PH | |
| 355 | URC<br>*X12 Definition:* | Loading/Unloading by Motor Carriers<br>*Unloading/Reloading Charge* | LC | CW, MS | |
| 410 | HOL | Sunday or Holiday Pick-Up or Delivery | TH, DR | MH, ND | |
| 410 | PUD<br>*X12 Definition:* | Pick-Up/Delivery o/t Normal Bus Hours<br>*Pick-Up and Delivery* | TH, DR | MH | |
| 430 | PTS<br>*X12 Definition:* | Protective Tarping for Security Purposes<br>*Protective Tarp for Security Purposes* | NV | PV | |
| 440 | RCC<br>*X12 Definition:* | Reconsignment/Diversion<br>*Reconsignment Charge* | FR | PS | |
| 445 | RCL | Redelivery | | CW, MS, MP | |
| 450 | RLS | Relocation of Vehicle | EA | RL | |
| 485 | SDL | Split Delivery | SP | SP | (SPLC) |
| 490 | SPU | Split Pick-Up | SP | SP | (SPLC) |
| 495 | SOC | Stop-Off Charge | SP | SP | |
| 500 | SRG | Storage | TD | PD, MS | |
| 530 | VFN | Vehicle Furnished But Not Used | NV | VT, PV | (Dispatch SPLC) |
| EXP1 | EXP<br>*X12 Definition:* | Expedited Service for Truckload<br>*Expedited Service Charge* | | VT | TL |
| EXP2 | EXP<br>*X12 Definition:* | Expedited Service for Less Than Truckload<br>*Expedited Service Charge* | | PW | LTL |
| PUC | PUC<br>*X12 Definition:* | Urgent Pick-Up Service<br>*Pick-Up Charge* | | PC | |

# Accessorial/Protective Service for Air Shipments

| X12 Code | DOD Definition | L003 221 [172-03] | L103 122 [173-03] | L112 276 [173-12] |
|---|---|---|---|---|
| 045<br>*X12 Definition:* | Advancing Charges<br>*Advanced Fee* | EA | P1 | |
| 405 | Fuel Surcharge | | PW | |
| 520<br>*X12 Definition:* | Overdimensional<br>*Oversized Premium* | | PW | |
| 675<br>*X12 Definition:* | Signature and Tally Record Service<br>*Security Signature Service* | | PS | |
| AFN [B] | Air Craft Furnished and Not Used | NV | VT, MN, FC | |
| AIR<br>*X12 Definition:* | Air<br>*Air Freight* | | | |
| CIS<br>*X12 Definition:* | DoD Constant Surveillance Service<br>*Constant Surveillance* | | PS | |
| DDN<br>*X12 Definition:* | Dual Driver Protective Service with National Agency Check<br>*Dual Driver with National Agency Check* | | PS | |
| DDP | Dual Driver Protective Service | | PS | |
| DEL | Delivery Charge | | CW, MN | |
| ECR<br>*X12 Definition:* | Escorts/Couriers<br>*Escort/Courier Service* | PR | PP | |
| EVC [M]<br>*X12 Definition:* | Excess Valuation<br>*Excess Value Charge* | MV | PH | |
| HAZ [M]<br>*X12 Definition:* | Hazardous Material<br>*Hazardous Cargo Charge* | | PS | |
| HOL | Sunday or Holiday Pick-Up or Delivery | | CW, MN | |
| PSS | Protective Service Security | | PS | |
| PUD<br>*X12 Definition:* | Pick-Up or Delivery Before or After Normal Business Hours<br>*Pick-Up and Delivery* | | CW, MN | |
| RCC<br>*X12 Definition:* | Reconsignment Charge<br>*Reconsignment* | | CW, MN | |
| RCL | Redelivery | NV | CW, MP, FC, MS | |
| SAT | Saturday Pick-Up or Delivery | | CW, MN | |
| SEV<br>*X12 Definition:* | Security Escort Vehicle<br>*Security Escort Vehicle Service* | | PS | |
| WTG | Waiting Time | TH | PR, MP | |

[B] Borrowed code from DE 150 per DM 617
[M] Migration code

# Accessorial/Protective Service for Motor Shipments

| X12 Code | DOD Definition | L003 221 [172-03] | L103 122 [173-03] | L112 276 [173-12] |
|---|---|---|---|---|
| 045<br>*X12 Definition:* | Advancing Charges<br>*Advanced Fee* | EA | P1 | |
| 405<br>*X12 Definition:* | Fuel Adjustment<br>*Fuel Surcharge* | | PW | |
| 520<br>*X12 Definition:* | Overdimensional<br>*Oversized Premium* | | VT, FT, MW | |
| 675<br>*X12 Definition:* | Signature and Tally<br>*Security Signature Service* | | PS | |
| BUA | Bunker Adjustment | | PS | |
| CFC | Customs Fees – Container Level | TH | DV | |
| CHN<br>*X12 Definition:* | Chains and Binders<br>*Chain and Binders* | EA | ER | |
| CIS | Constant Surveillance | | VT, MW | |
| CUF | Currency Adjustment Factor | | VT, MW | |
| DCS<br>*X12 Definition:* | Trailer Tracking Service<br>*Discount Charge* | | | |
| DDN | Dual Driver with National Agency Check | | VT, MW | |
| DDP<br>*X12 Definition:* | Dual Driver<br>*Dual Driver Protective Service* | | VT, MW | |
| DEP<br>*X12 Definition:* | Detention of Conveying Equipment and the Power Unit<br>*Detention of Power Units* | TH | PR | |
| DET<br>*X12 Definition:* | Detention of Conveying Equipment Excluding the Power Unit<br>*Detention of Trailers* | TH | DV | |
| ELS | Extra Lights | NV, ST | VV | |
| EMT | Empty Movement | NV | VT | (Dispatch SPLC) |
| ERS | Empty Return | NV | VT | |
| EXC | Exclusive Use Charge | | VT | |
| EXD | Extra Driver | | VT | |
| EXP | Expedited Service Charge | | VT | |
| HBB M | Handling Freight Not Adjacent to Vehicle | LC | CW, MS, MP | |
| HOL | Sunday or Holiday Pick-Up or Delivery | TH, DR | MH, MN | |
| IMP | Impactographs | EA | MA, MB | |
| LIE | Liability of Carrier Charge | MV | FC | |
| MEN | Escort Service with Overnight Subsistence | NG, PR | PN | |
| MES<br>*X12 Definition:* | Escort (Standard)<br>*Escort Service* | DM, NV, PR | VT, NV | |
| MET<br>*X12 Definition:* | Escort (Telephones)<br>*Escort Service (Telephone)* | NV | PV | |
| MNS<br>*X12 Definition:* | Motor Surveillance (12-hour calls)<br>*Motor Surveillance Service* | | PM, MS | |
| MVS | Special Motor Surveillance Charge | | PM, MS | |
| PER<br>*X12 Definition:* | Overweight Permit<br>*Permit Charge* | EA | PM, PV, HM, CW | (2 Char State Code) |
| PRL<br>*X12 Definition:* | Prelodging<br>*Prelodge Charge* | NV | PV | |
| PSS<br>*X12 Definition:* | Protective Security (Without Armed Drivers)<br>*Protective Security Service* | | VT, MW | |

| | | | | |
|---|---|---|---|---|
| PTS<br>*X12 Definition:* | Protective Tarping<br>*Protective Tarp for Security Purposes* | NV | PV | |
| PUD | Pick-Up and Delivery | TH, DR | MH, ND | |
| PVB | Bonded Privately Owned Vehicle Charge | NV | VT, PV | |
| RCC<br>*X12 Definition:* | Reconsignment/Diversion<br>*Reconsignment* | FR | PS | |
| RCL | Redelivery | | CW, MS, MP | |
| RLS | Relocation of Vehicle | EA | RL | |
| RSS | Restricted Speeds | | VT | (Max Speed) |
| RSV | Reservations | CF | | |
| SAT<br>*X12 Definition:* | Saturday Pick-Up Charge<br>*Saturday Pick-Up or Delivery Charge* | TH, DR | MH, MN | |
| SDL | Split Delivery | SP | SP | |
| SEV<br>*X12 Definition:* | Security Escort Service<br>*Security Escort Vehicle Service* | NV | VT, MW | |
| SNS<br>*X12 Definition:* | Satellite Motor Surveillance<br>*Satellite Surveillance Service* | | PM, MW | |
| SOC | Stop-Off Charge | | SP | |
| SPU | Split Pick-Up | SP | SP | |
| SRG | Storage | | PD, MS | |
| SRS | Surveying Routes | DM, PR, NV | VT, MW, NM, ND | |
| SSR [M]<br>*X12 Definition:* | Surveying Routes<br>*Safe Haven/Secure Holding Refusal* | DM, PR, NV | VT, MW, NM, ND | |
| TOW [M] | Motor Towaway Service | EA, NV | ER, PV | |
| TPA | Carrier Equipment Pool Charge | NV | VT, PV | |
| URC<br>*X12 Definition:* | Loading/Unloading<br>*Unloading/Reloading Charge* | LC | CW, MN | |
| VFN | Vehicles Furnished But Not Used | NV | VT, PV | (Dispatch SPLC) |
| VIS | Vehicles Inoperable | NV | PV | |
| VTS | Vehicle in Truckaway | NV | VT | |
| WTV | Weight Verification Charge | | PV | |

[M] Migration code

# Bulk Fuel Shipments

| X12 Code | DOD Definition | L003 221 [172-03] | L103 122 [173-03] | L112 276 [173-12] |
|---|---|---|---|---|
| 045<br>*X12 Definition:* | Advancing Charges<br>*Advanced Fee* | EA | P1 | |
| ADL | Advance Loading Charge | TD | VT, DV | (Holding SPLC) |
| CLN | Cleaning Charge | NV | PV | |
| CTR | Circuitous Routing Charge | | | |
| DEP<br>*X12 Definition:* | Detention With Power Unit<br>*Detention of Power Units* | TH | PI | |
| DET<br>*X12 Definition:* | Detention Without Power Unit<br>*Detention of Trailers* | TH | DV | |
| EDD | Equipment Hose at Destination Charge | | PM, MA | (Dispatch SPLC) |

| | | | | |
|---|---|---|---|---|
| EDO | Equipment Hose at Origin Charge | | PM, MA | (Dispatch SPLC) |
| EXP | Expedited Service Charge | | | |
| HOL | Sunday or Holiday Pick-Up or Delivery | TH, DR | MH, MN | |
| HOS<br>*X12 Definition:* | Equipment Hose (over 36')<br>*Hose Charge* | FT | FT, MA | |
| HOX<br>*X12 Definition:* | Equipment Hose (Special Type)<br>*Hose Charge Special* | FT | FT, MA | |
| PAJ<br>*X12 Definition:* | Pumping Equipment<br>*Pump Charge* | GL | PG, MN | |
| PUD | Pick-Up and Delivery | TH, DR | MH, ND | |
| RCC<br>*X12 Definition:* | Reconsignment/Diversion<br>*Reconsignment Charge* | FR | PS | |
| RCL | Redelivery | | PM, MS | |
| SAT<br>*X12 Definition:* | Saturday Pick-Up Charge<br>*Saturday Pick-Up or Delivery Charge* | TH, DR | MH, MN | |
| SOC | Stop-Off Charge | | PM, SP | |
| SPA<br>*X12 Definition:* | Allowances<br>*Special Allowance* | | | |
| SPU | Split Pick-Up | SP | SP | |
| SRG | Storage | TD, NV | DV | |
| VFN | Vehicles Furnished But Not Used | NV | VT, PV | (Dispatch SPLC) |
| WDS | Waterfront Delivery Charge | TH | PR | |

[M] Migration code

# Miscellaneous Services

| X12 Code | DOD Definition | L003 221 [172-03] | L103 122 [173-03] | L112 276 [173-12] |
|---|---|---|---|---|
| TPS | Third-Party Service | | (X12 Code) | (Description) |

# Pipeline Shipments

| X12 Code | DOD Definition | L003 221 [172-03] | L103 122 [173-03] | L112 276 [173-12] |
|---|---|---|---|---|
| AIB | Additional Injection/Blending Service Charge | BA | BR | |
| DEL<br>*X12 Definition:* | Delivery Service/Receipt and Issue<br>*Delivery Charge* | BA | BR | |
| FTR | Filtration Service Charge | BA | BR | |
| LAS [M] | Co-mingling/Loss Allowance | | PW | |
| ORS [M] | Receipt and Issue other than Normal Hours | TH | MN, MH | |

[M] Migration code

# [43-22] – Type of Equipment Furnished

858 Mapping: 1 330 N722 24

# [47-04] – Type of Equipment Ordered

858 Mapping: 1 350 N504 301

## Air

| DoD Code | DoD Definition |
|---|---|
| QQ | Freight (Other than Freight Forwarder) |
| QU | Taxi |
| SS | Charter |
| TT | Freight Forwarder |

## Containers

| DoD Code | DoD Definition |
|---|---|
| QA1 | Non MILVAN, 20 feet and less |
| QA2 | Non MILVAN, 24 feet |
| QA3 | Non MILVAN, 27 feet |
| QA4 | Non MILVAN, 35 feet |
| QA5 | Non MILVAN, 40 feet |
| QA6 | Non MILVAN, 45 feet and over |
| QM | MILVAN |

## Motor and TOFC (Dimensions are Outside Dimensions)

| DoD Code | DoD Definition |
|---|---|
| A10 | 410 Dromedary, 102” L x 75 ½” H x 92” W, 410 cubic feet |
| A11 | Van, air ride, 45 ft or 48 ft, padded, equipped with electric hydraulic powered crane loading unloading system or hydraulic powered |
| A16 | Special Dromedary with MRO |
| A20 | Motor vehicle transport trailer |
| A30 | Removable gooseneck |
| A40 | Flat bed trailer, hot shot, 40 ft and over |
| A5 | Tractor, air ride |
| A50 | Van, closed, padded/logistics type, freight only, w/air ride suspension, 40 ft and over |
| A6 | Tractor, other than air ride |
| A7 | Flat bed, 30 feet and less, hooked in tandem as one unit |
| A8 | Van, air ride, w/temperature and humidity control |
| A9 | Van, closed, padded, w/air ride suspension 2nd & 3rd proviso only |
| AA1 | Van, closed air ride, 30 ft and less |
| AA2 | Van, closed air ride, 31-40 ft |
| AA3 | Van, closed air ride, over 40 ft |
| AB0 | Lowboy, level deck, 10 axles and over |

| | |
|---|---|
| AB2 | Lowboy, level deck, 2 axles |
| AB3 | Lowboy, level deck, 3 axles |
| AB4 | Lowboy, level deck, 4 axles |
| AB5 | Lowboy, level deck, 5 axles |
| AB6 | Lowboy, double drop, air ride, w/outriggers, 3 axles |
| AB7 | Lowboy, level deck, 7 axles |
| AB9 | Lowboy, level deck, 9 axles |
| AC2 | Expandable low bed trailer, 2 axles |
| AC3 | Expandable low bed trailer, 3 axles |
| AC4 | Expandable low bed trailer, 4 axles |
| AD | Regular Dromedary |
| AD6 | Dromedary with Mechanical Restraining Device (MRD) |
| AE0 | Lowboy, double drop, 10 axles and over |
| AE2 | Lowboy, double drop, 2 axles |
| AE3 | Lowboy, double drop, 3 axles |
| AE4 | Lowboy, double drop, 4 axles |
| AE5 | Lowboy, double drop, 5 axles |
| AE6 | Lowboy, double drop, w/outriggers, 3 axles |
| AE7 | Lowboy, double drop, 7 axles |
| AE9 | Lowboy, double drop, 9 axles |
| AF1 | Flat bed, 30 ft and less |
| AF2 | Flat bed, 31-40 ft |
| AF3 | Flat bed, over 40 ft |
| AF4 | Flat bed w/Conestoga trailers 30 ft and less |
| AF5 | Flat bed w/Conestoga trailers 31- 40 ft |
| AF6 | Flat bed w/Conestoga trailers over 40 ft |
| AG1 | Van, open, 30 ft and less |
| AG2 | Van, open, 31-40 ft |
| AG3 | Van, open, over 40 ft |
| AG4 | Tautliner Van w/Tarps, 30’ or less |
| AG5 | Tautliner Van w/Tarps, 31’ to 40’ |
| AG6 | Tautliner Van w/Tarps, over 40’ |
| AH2 | Drop frame trailer, drop/step deck, 2 axles |
| AH3 | Drop frame trailer, drop/step deck, 3 axles |
| AI2 | Drop frame trailer, drop/step deck, air ride, 2 axles |
| AI3 | Drop frame trailer, drop/step deck, air ride, 3 axles |
| AJ0 | Lowboy, level deck, air ride, 10 axles and over |
| AJ2 | Lowboy, level deck, air ride, 2 axles |
| AJ3 | Lowboy, level deck, air ride, 3 axles |
| AJ4 | Lowboy, level deck, air ride, 4 axles |
| AJ5 | Lowboy, level deck, air ride, 5 axles |
| AJ6 | Lowboy, level deck, air ride, w/outriggers, 3 axles |
| AJ7 | Lowboy, level deck, air ride, 7 axles |
| AJ9 | Lowboy, level deck, air ride, 9 axles |
| AK | Van, refrigerated, perishable food |
| AL2 | Extendable flat bed trailer, 2 axles |
| AL3 | Extendable flat bed trailer, 3 axles |
| AL4 | Extendable flat bed trailer, 4 axles |
| AM0 | Lowboy, double drop, air ride, 10 axles and over |
| AM2 | Lowboy, double drop, air ride, 2 axles |
| AM3 | Lowboy, double drop, air ride, 3 axles |
| AM4 | Lowboy, double drop, air ride, 4 axles |
| AM5 | Lowboy, double drop, air ride, 5 axles |

| | |
|---|---|
| AM6 | Lowboy, double drop, air ride, w/outriggers, 3 axles |
| AM7 | Lowboy, double drop, air ride, 7 axles |
| AM9 | Lowboy, double drop, air ride, 9 axles |
| AN | Adjustable tilt bed trailer |
| AO | Driveaway/Truckaway |
| AO1 | Straight truck, enclosed van, air ride, 12 ft, 5,000 lb, maximum cargo capacity |
| AO2 | Straight truck, enclosed van, air ride, 20 ft, 13,000 lb, maximum cargo capacity |
| AO3 | Straight truck, enclosed van, air ride, 12 ft, 5,000 lb, maximum cargo capacity |
| AO4 | Straight truck, enclosed van, air ride, 20 ft, 13,000 lb, maximum cargo capacity |
| AO5 | Straight truck, enclosed van, 20 ft, 13,000 lb, maximum cargo capacity, padded/logistics type, w/ air ride suspension |
| AO6 | Pickup truck, with cap, 18 ft. long, 500 lbs maximum cargo capacity |
| AO7 | Econo van, 17 ft long, 2,000 lbs maximum cargo capacity |
| AO8 | Dump trailer, 28 ft long, 2 axle, hydraulic powered lift |
| AP | Aft steering unit |
| AR | Van, refrigerated, other |
| AS | Livestock transporter |
| AT1 | Tank, 5001-8000 gallons |
| AT2 | Tank, over 8000 gallons |
| AU | Container, shipper owned, environmental, temperature and humidity controlled |
| AV1 | Van, closed, 30 ft and less |
| AV2 | Van, closed, 31-40 ft |
| AV3 | Van, closed, over 40 ft |
| AV4 | Van, closed, Rollerbed, 40 ft, fixed rollers |
| AV5 | Van, closed, Rollerbed, 40 ft, retractable rollers |
| AV6 | Van, closed, Rollerbed, 45 ft and over, fixed rollers |
| AV7 | Van, closed, Rollerbed, 45 ft and over, retractable rollers |
| AV8 | Van, closed, 45 to 48 ft, 12’ 4" high |
| AX | Flat bed, all lengths (twist lock) |
| AY1 | Van, closed, 30 ft and less, double type single unit |
| AY2 | Van, closed, 30 ft and less, hooked in tandem as one unit |
| AZ1 | Flat bed, air ride, 30 ft and less |
| AZ2 | Flat bed, air ride, 31-40 ft |
| AZ3 | Flat bed, air ride, over 40 ft |

# Other Methods

| DoD Code | DoD Definition |
|---|---|
| 8X | Pipeline |
| EE | Bus |
| MF | Freight Forwarder (Surface) |

# Rail

| DoD Code | DoD Definition |
|---|---|
| KA | Box, automobile |
| KB1 | Flat, bilevel, not enclosed |
| KB2 | Flat, bilevel, enclosed |
| KC | Box, nuclear waste, DODX w/racks permanently affixed |

| | |
|---|---|
| KD | Gondola, drop ends |
| KE | Box, end door |
| KF1 | Flat, any other type, not over 70' |
| KF2 | Flat, any other type, over 70' but not over 90' |
| KG1 | Gondola, any other type, 52’ hi capacity |
| KG2 | Gondola, any other type, 65’ hi capacity |
| KH1 | Hopper open-top, 80 tons and less |
| KH2 | Hopper open-top, 100 tons, 2000 cubic feet |
| KH3 | Hopper, closed-top, 70 tons, 2000 cubic feet |
| KH4 | Hopper, closed top, 100 tons, 2929 cubic feet |
| KH5 | Hopper, closed-top, 100 tons, 4000 cubic feet |
| KH6 | Hopper, closed-top, 100 tons, 4600 cubic feet |
| KK1 | Refrigerator, perishable foods, not over 53' mechanical |
| KK2 | Refrigerator, perishable foods, over 53', but not over 61' mechanical |
| KL1 | Flat, trilevel, not enclosed |
| KL2 | Flat, trilevel, enclosed |
| KO1 | Box, any other type, not over 52' 6" |
| KO2 | Box, any other type, over 52' 6", but not over 60’ 9" |
| KO3 | Box, any other type, over 60’ 9" |
| KP | Box, damage prevention type |
| KR1 | Refrigerator, any other type, not over 53' mechanical |
| KR2 | Refrigerator, any other type, over 53', but not over 65’ mechanical |
| KS | Stock |
| KT1 | Tank, 10,000 gallons |
| KT2 | Tank, 20,000 gallons |
| KT3 | Tank, 30,000 gallons |
| KU | Caboose, DODX armed guard |
| KW1 | TOFC car |
| KW2 | COFC car |
| KX | Box, missile, DODX w/refrigeration |
| KY | Flat, heavy duty |
| KZ1 | Flat, DODX, not over 60’ |
| KZ2 | Flat, DODX, over 60’ |
| KZ3 | Locomotive under own power, on own wheels |
| KZ4 | Locomotive not under own power, on own wheels |
| KZ5 | Locomotive not under own power, not on own wheels |

# Water

| DoD Code | DoD Definition |
|---|---|
| WA | Steamship |
| WE | Covered Barge |
| WG | Cylinder Tank Barge |
| WI | Flush Deck Oil Barge |
| WK | Liquid Covered Barge |
| WM | Open Barge |
| WP | Special Auto Barge |

# [92-01] – Breakdown Structure Detail Code

858 Mapping: 1 560 FA201 1196

| Data Value | - | Definition |
|---|---|---|
| 84 | - | Total Direct Costs |
| A1 | - | Department Indicator |
| A2 | - | Transfer from Department |
| A3 | - | Fiscal Year Indicator |
| A4 | - | Basic Symbol Number |
| A5 | - | Sub-Class |
| A6 | - | Sub-Account Symbol |
| AT | - | Air Force Transportation Account Code (ATAC) |
| B1 | - | Budget Activity Number |
| B2 | - | Budget Sub-Activity Number |
| B3 | - | Budget Program Activity |
| C1 | - | Program Element |
| C2 | - | Project Task or Budget Sub-Line |
| D1 | - | Defense Agency Allocation Recipient |
| D4 | - | Component Sub-Allocation Recipient |
| D6 | - | Sub-Allotment Recipient |
| D7 | - | Work Center Recipient |
| E1 | - | Major Reimbursement Source Code |
| E2 | - | Detail Reimbursement Source Code |
| E3 | - | Customer Indicator |
| F1 | - | Object Class |
| F3 | - | Government or Public Sector Identifier |
| G2 | - | Special Interest Code or Special Program Cost Code |
| I1 | - | Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)<br>** Use 'I1' to denote Abbreviated Department of Defense (DoD) Budget and Accounting Classification |
| J1 | - | Document or Record Reference Number |
| K6 | - | Accounting Classification Reference Code |
| L1 | - | Accounting Installation Number |
| M1 | - | Local Installation Data |
| MD | - | Movement Designator Code (MDC) |
| N1 | - | Transaction Type |
| P5 | - | Foreign Military Sales (FMS) Line Item Number |
| TA | - | Transportation Account Code (TAC) |
| ZZ | - | Mutually Defined |

# [117-05] – Freight Weight Qualifier

858 Mapping: 2 145 L005 187

| Data Value | - | Definition |
|---|---|---|
| A | - | Consolidated Weight |
| A1 | - | Dimensional Weight |
| A2 | - | Reweighed By Carrier |
| A3 | - | Shippers Weight |
| A4 | - | Average Weight per Load |
| B | - | Billed Weight |

| | | |
|---|---|---|
| C | - | Actual Net Repeated for Combination |
| CD | - | Chargeable Dunnage |
| CE | - | Certified Weight of Cargo |
| D | - | Destination Weight Agreement |
| DR | - | Drained Weight |
| E | - | Estimated Net Weight |
| F | - | Deficit Weight |
| FR | - | Freight Weight |
| G | - | Gross Weight |
| H | - | Weight Per 100 Feet |
| I | - | Weight Per 1000 Feet |
| J | - | Light Weight |
| K | - | Clean Out |
| L | - | Legal Weight |
| LC | - | Maximum Lading Capacity |
| M | - | Minimum Weight (for rate) |
| N | - | Actual Net Weight |
| ND | - | Nonchargeable Dunnage |
| NI | - | Non-Temporary Storage Weight In |
| NR | - | Non-Temporary Storage Weight Rehandled |
| NT | - | Non-Temporary Storage Weight Out |
| O | - | Excess Weight Over Maximum |
| P | - | Weight Per 100 Units |
| PA | - | Pallet Weight |
| Q | - | Weight Per 1000 Units |
| R | - | Per Unit Dunnage |
| RG | - | Reweigh Gross Weight |
| RN | - | Reweigh Net Weight |
| RT | - | Reweigh Tare Weight |
| S | - | State Weight |
| SF | - | Storage in Transit Final Weight Out |
| SI | - | Storage in Transit Weight in |
| SK | - | Skid Weight |
| SO | - | Storage in Transit Weight Out |
| T | - | Tare Weight |
| U | - | Weight Per Unit |
| V | - | Non Transit Weight (On Transit Bills Only) |
| W | - | Transit Weight (On Transit Bills Only) |
| WA | - | Administrative Weight Allowance |
| WB | - | Unaccompanied Baggage Weight |
| WG | - | Professional Gear Weight |
| WJ | - | Joint Travel Regulation Weight |
| X | - | Maximum Weight (for Rate) |
| Y | - | Theoretical Weight |
| Z | - | Mutually Defined |

# [117-09] – Type Pack Qualifier

858 Mapping: 2 145 L009 211

# [117-10] – Type Pack Sub Qualifier

858 Mapping: 2 145 L010 458

# [126-01] – HAZMAT – Unit of Measure Code

858 Mapping: 2 170 LH101 355

| DOD Code | X12 Code | DOD Definition | L010 458 [117-10] | LH101 355 [126-01] |
|---|---|---|---|---|
| AB | MSV<br>*X12 Definition:* | MSCVAN<br>*MSCVAN – Military Sealift Command Van* | AA, AB, AC, AD, AE, AF, AL, AM, AN, AP, AT, AU, AV, AW, AZ, A3, A4, A5 | CH |
| BD | BDL | Bundle | | BD |
| BE | BAL | Bale | | BA |
| BG | BAG<br>*X12 Definition:* | Bag, Burlap or Cloth<br>*Bag* | | BG |
| BL | BBL | Barrel | | BR |
| BS | BSK<br>*X12 Definition:* | Basket<br>*Basket or Hamper* | | BS |
| BX | BOX | Box | | BX |
| CA | CAB | Cabinet | | |
| CB | CBY | Carboy | | CB |
| CC | CNA<br>*X12 Definition:* | Household Goods Container, Wood<br>*Household Goods Container* | | CH |
| CL | COL | Coil | | CX |
| CM | CNB<br>*X12 Definition:* | Container, MAC-ISO, lt. wgt. 8x8x20 foot air<br>*Container* | | CH |
| CN | CAN | Can | | CN |
| CO | CNT<br>*X12 Definition:* | Container, other than CC, CM, CU, CW, MW, MX<br>*Container* | | CH |
| CR | CRT | Crate | | CP |
| CS | CAS | Case | | CA |
| CT | CTN | Carton | | CT |
| CU | CNC<br>*X12 Definition:* | Container, Navy Cargo Transporter<br>*Container* | | CH |
| CW | CND<br>*X12 Definition:* | Container, Commercial Highway Lift<br>*Container* | | CH |
| CY | CYL | Cylinder | | CL |
| DB | DUF<br>*X12 Definition:* | Dufflebag<br>*Duffle Bag* | | |
| DR | DRM | Drum | | DR |
| EC | CNE | Engine Container | | CH |
| ED | CRD<br>*X12 Definition:* | Engine Cradle or Dolly<br>*Cradle* | | |
| EN | ENV | Envelope | | EV |
| FK | TRK<br>*X12 Definition:* | Footlocker (Trunk)<br>*Trunk and Chest* | | |
| HA | HPR | Hamper | | |

| | | | | |
|---|---|---|---|---|
| KE | KEG | Keg | | KE |
| LP | PLL M | 463L Air Pallet | | PF |
| LS | LSE<br>*X12 Definition:* | Loose, Not Packed<br>*Loose* | | |
| MW | CNF | Multiwall Container Secured to Warehouse Pallet | | CH |
| MX | MXD<br>*X12 Definition:* | Mixed<br>*Mixed Type Pack* | | |
| PC | PCS | Piece | | PC |
| PL | PAL | Pail | | PA |
| PT | PLT<br>*X12 Definition:* | Palletized Unit Load other than code MW<br>*Pallet* | | PL |
| RL | REL | Reel | | RE |
| RO | ROL | Roll | | RL |
| RT | WHE<br>*X12 Definition:* | RORO (Roll-Off, Roll-On)<br>*On Own Wheel* | | |
| SA | SAK<br>*X12 Definition:* | Sack, Paper<br>*Sack* | | SJ |
| SB | SKE<br>*X12 Definition:* | Skid, Box<br>*Skid* | | |
| SD | SKD | Skid | | SV |
| SH | SHT | Sheet | | SH |
| SL | SPL | Spool | | SO |
| SW | SCS | Suitcase | | |
| TB | TUB | Tub | | |
| TC | TKR | Tank Car | | TK |
| TK | TRU | Truck | | TK |
| TT | TKT | Tank Truck | | TK |
| TU | TBE | Tube | | TB |
| UX | UNT<br>*X12 Definition:* | Unitized (use RT for unitized cargo on RORO)<br>*Unit* | | |
| VC | VPK<br>*X12 Definition:* | Van Chassis<br>*Van Pack* | | |
| VE | VEH | Vehicle | | NV |
| VO | VOC | Vehicle in Operating Condition | | ZZ |
| VS | TBN<br>*X12 Definition:* | SEAVAN – TOTE<br>*Tote Bin* | | TE |
| WR | WRP | Wrapped | | WR |
| X1 | CNX<br>*X12 Definition:* | CONEX (Government Owned Container)<br>*CONEX – Container Express* | X0-X9 | CH |
| YB | MLV<br>*X12 Definition:* | MILVAN<br>*MILVAN – Military Van* | YA, YB, TC, TD, YE, YF, YL, YM, YN, YP, YT, YU, YV, YW, YZ, Y3, Y4, Y5 | CH |
| ZB | SVN<br>*X12 Definition:* | SEAVAN<br>*SEAVAN – Sea Van* | ZA, ZB, ZC, ZD, ZE, ZF, ZL, ZM, ZN, ZP, ZT, ZU, ZV, ZW, ZZ, Z3, Z4, Z5 | CH |

# [126-06] – HAZMAT – English Measurement Code

858 Mapping: 2 170 LH106 355

| Data Value | - | Definition |
|---|---|---|
| 20 | - | 20 Foot Container |
| 2R | - | Kilocurie |
| 4D | - | Curie |
| BR | - | Barrel |
| CW | - | Hundred Pounds (CWT) |
| D2 | - | Shares |
| FO | - | Fluid Ounce |
| G2 | - | U.S. Gallons Per Minute |
| GA | - | Gallon |
| LB | - | Pound |
| LG | - | Long Ton |
| M0 | - | Magnetic Tapes |
| M5 | - | Microcurie |
| MU | - | Millicurie |
| NS | - | Short Ton |
| OZ | - | Ounce |
| PN | - | Pounds Net |
| PS | - | Pounds per Sq. Inch |
| PT | - | Pint |
| Q2 | - | Pint U.S. Dry |
| QT | - | Quart |

# [141-01] – Breakdown Structure Detail Code

858 Mapping: 2 240 FA201 1196

| Data Value | - | Definition |
|---|---|---|
| 84 | - | Total Direct Costs |
| A1 | - | Department Indicator |
| A2 | - | Transfer from Department |
| A3 | - | Fiscal Year Indicator |
| A4 | - | Basic Symbol Number |
| A5 | - | Sub-Class |
| A6 | - | Sub-Account Symbol |
| AT | - | Air Force Transportation Account Code (ATAC) |
| B1 | - | Budget Activity Number |
| B2 | - | Budget Sub-activity Number |
| B3 | - | Budget Program Activity |
| C1 | - | Program Element |
| C2 | - | Project Task or Budget Subline |
| D1 | - | Defense Agency Allocation Recipient |
| D4 | - | Component Sub-allocation Recipient |
| D6 | - | Sub-allotment Recipient |
| D7 | - | Work Center Recipient |
| E1 | - | Major Reimbursement Source Code |
| E2 | - | Detail Reimbursement Source Code |

| | | |
|---|---|---|
| E3 | - | Customer Indicator |
| F1 | - | Object Class |
| F3 | - | Government or Public Sector Identifier |
| G2 | - | Special Interest Code or Special Program Cost Code |
| I1 | - | Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)<br>** Use 'I1' to denote Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC) |
| J1 | - | Document or Record Reference Number |
| K6 | - | Accounting Classification Reference Code |
| L1 | - | Accounting Installation Number |
| M1 | - | Local Installation Data |
| MD | - | Movement Designator Code (MDC) |
| N1 | - | Transaction Type |
| P5 | - | Foreign Military Sales (FMS) Line Item Number |
| TA | - | Transportation Account Code (TAC) |
| ZZ | - | Mutually Defined |

# [185-03] – Freight Rate Qualifier

858 Mapping: 2 150 L103 122

| X12 Code | | DOD Definition |
|---|---|---|
| AV | | Ad Valorum (Per Cent of Value) |
| BR<br>*X12 Definition:* | | Per Barrel (Pipeline/Barge only)<br>*Per Barrel* |
| CW | | Per Hundred Weight |
| DH | M | Per Hundred Dollars |
| DR | | Per Dromedary Service Shipment |
| DS | | Per Hundredweight Per Mile Per Dromedary Service Shipment |
| DV<br>*X12 Definition:* | | Per Day Per Vehicle (Rail Car)<br>*Per Day Per Vehicle* |
| ER | | Per Each Request |
| FC | | Flat Charge |
| FR | | Flat Rate |
| FT | | Per Foot |
| HD | | Per Hundredweight Per Dromedary Service Shipment |
| HM | | Rate Per Hundred Weight Per Mile |
| HX | | Hundredweight Per Day |
| IN | | Per Inch |
| MA | | Minimum Per Service |
| MB | | Per Mile Per Service |
| MC | | Minimum Per Car |
| MH | | Per Man Per Hour |
| MN | | Minimum |
| MP | | Maximum Per Shipment |
| MS | | Minimum Per Shipment |
| MV | | Per Mile Per Vehicle (Rail Car) Moved |
| ND | | Minimum Per Driver |
| NM | | Per Mile Per Person |
| NP | | Minimum Per Day Per Person |
| NV | | Minimum Per Day Per Vehicle |
| P1 | | Per Advancement |
| PA | | Per Container |

| | |
|---|---|
| PC | Per Car |
| PD | Per Day |
| PG | Per Gallon |
| PH<br>*X12 Definition:* | Per Hundred of Basic Unit<br>*Per Hundred (of Basic Unit)* |
| PI<br>*X12 Definition:* | Hourly Rate Per Vehicle (Rail Car)<br>*Hourly Rate Per Vehicle* |
| PM | Per Mile |
| PN<br>*X12 Definition:* | Per Night (Per Person)<br>*Per Night* |
| PP | Per Piece |
| PR | Per Hour |
| PS | Per Shipment |
| PV | Per Vehicle |
| PW | Percentage of Charges |
| PY | Per Gallon Per Mile |
| RL | Per Relocation |
| SP | Per Stop |
| ST | Per Short Ton |
| VA | Per Vehicle Moved |
| VH | Per Vehicle Used |
| VR | Per Rail Car Used |
| VT | Per Mile Per Vehicle |
| VU | Per Mile Per Vehicle (Rail Car) Used |
| VV | Per Vehicle Per State |
| XP | Maximum Per Person |

[M] Migration code

# Section 9.0

# ADDITIONAL INFORMATION FOR THE DEVELOPER

This section describes logic for bill of lading data groups. It also presents a tutorial on shipment stop scenarios.

## Looping Logic for Bill of Lading Data Groups

This section contains added explanation of data groups 60, 80, 100, 120, and 190. Some examples are included for clarification.

### DATA GROUP 60 - EQUIPMENT INFORMATION

This section offers four examples of bill of lading equipment configurations.

- Primary equipment (DROM) on secondary equipment (railcar)
- Government owned vehicles on primary equipment (railcar)
- Primary equipment (motor van)
- Primary equipment (motor van) and primary equipment (DROMs) on secondary equipment (flatbed)

#### *Terms*

Before examining the examples, the developer needs to be familiar with the following terms:

- *Shipper Equipment/Vehicles* - Equipment/vehicle(s) supplied/owned by the shipper to include DROMs, containers, and vehicles. This equipment is usually conveyed using primary equipment.
- *Primary Equipment* - Equipment ordered by the shipper from the carrier. This equipment or its equivalent is furnished by the carrier and used in the transportation of the shipment. The shipper pays only for the primary equipment ordered.
- *Secondary Equipment* - Equipment furnished by the carrier in addition to primary equipment. Generally, this equipment is used to convey the primary equipment. The shipper incurs no cost for the use of secondary equipment. (Example: a rail car used to convey shipper ordered containers)

# CONFIGURATION 1 - PRIMARY EQUIPMENT (DROM) ON SECONDARY EQUIPMENT (RAILCAR)

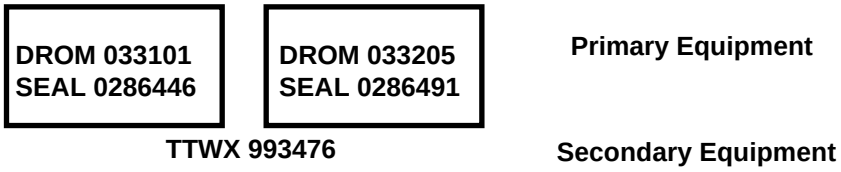


*Table 9.1 - Mapping and Example Data for Equipment Configuration 1*

| Data Name | Mapping | Prime Eq. 1 | Prime Eq. 2 | Prime Eq. 3 |
|---|---|---|---|---|
| **Primary Furnished (Header & HL~100)** | | | | |
| Initials | N701 | DROM | DROM | |
| Numbers | N702 | 033101 | 033205 | |
| Cube | N708 | 155 | 155 | |
| Cube Qual. | N709 | E | E | |
| Length | N715 | | | |
| Equip. Type | N722 | AD2x | AD2x | |
| **Secondary Furnished (Header)** | | | | |
| Initials | NA03 | TTWX | TTWX | |
| Numbers | NA04 | 993476 | 993476 | |
| Seals (Header) | | | | |
| Number | M701-04 | 0286446 | 0286491 | |
| Applied By | M705 | SH | SH | |
| **Primary Ordered (Header)** | | | | |
| Length | N501 | | | |
| Weight Cap. | N502 | | | |
| Cube Cap. | N503 | 132 | 132 | |
| Equip. Type | N504 | AD1x | AD1x | |
| **Government Owned Equip. (HL~100)** | | | | |
| Vehicle Identifier | NA01-04 | | | |
| Container/DROM Initials | NA03 | | | |
| Numbers | NA04 | | | |
| Seal No. | M701-04 | | | |
| Seal Applied | M705 | | | |

*Configuration 1 Example*

- HEADER AREA

| | |
|---|---|
| N7~DROM~033101~~~~~~155~E~~~~~~~~~~~~~~AD2x n/l | Primary 1 furnished |
| NA~~~TTWX~993476 n/l | Secondary |
| M7~0286446~~~~SH n/l | Primary seals |
| N5~~~132~AD1x n/l | Primary ordered |
| N7~DROM~033205~~~~~~155~E~~~~~~~~~~~~~~ | |
| AD2x n/l | Primary 2 furnished |
| NA~~~TTWX~993476 n/l | Secondary |
| M7~0286491~~~~SH n/l | Primary seals |
| N5~~~132~AD1x n/l | Primary ordered |

- DETAIL AREA

| | |
|---|---|
| HL~100~I n/l | |
| N7~DROM~033101 n/l | Primary 1 visibility |
| L5~ ... n/l | |
| HL~100~I n/l | |
| N7~DROM~033205 n/l | Primary 2 visibility |
| L5~ ... n/l | |

# CONFIGURATION 2 - GOVERNMENT OWNED VEHICLES ON PRIMARY EQUIPMENT (RAILCAR)

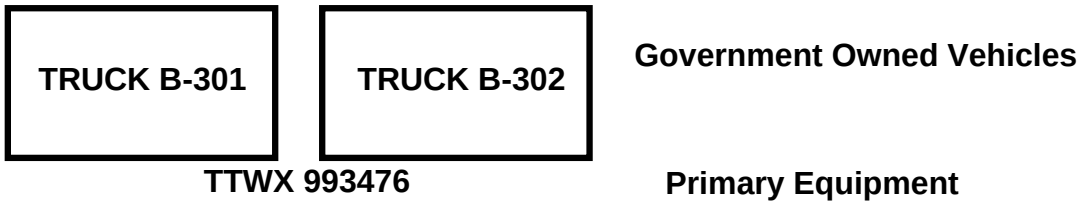


*Table 9.2 - Mapping and Example Data for Equipment Configuration 2*

| Data Name | Mapping | Prime Eq. 1 | Prime Eq. 2 | Prime Eq. 3 |
|---|---|---|---|---|
| **Primary Furnished (Header & HL~100)** | | | | |
| Initials | N701 | TTWX | | |
| Numbers | N702 | 993476 | | |
| Cube | N708 | | | |
| Cube Qual. | N709 | | | |
| Length | N715 | 08904 | | |
| Equip. Type | N722 | KF2x | | |
| Initials | NA03 | | | |
| Numbers | NA04 | | | |
| Seals on Primary (Header) | | | | |
| Number | M701-04 | | | |
| Applied By | M705 | | | |
| **Primary Ordered (Header)** | | | | |
| Length | N501 | 08904 | | |
| Weight Cap. | N502 | 149000 | | |
| Cube Cap. | N503 | | | |
| Equip. Type | N504 | KF2x | | |
| **Government Owned Equip. (HL~100)** | | | | |
| Vehicle Id Qualifier | NA01 | VT | VT | |
| Vehicle VIN or filler | NA02 | VIN | VIN | |
| Vehicle Type Qualifier | NA03 | NONX | NONX | |
| Vehicle Bumper No. | NA04 | B-301 | B-302 | |
| Container/DROM | | | | |
| Initials | NA03 | | | |
| Numbers | NA04 | | | |
| Seal No. | M701-04 | | | |
| Seal Applied | M705 | | | |

*Configuration 2 Example*

- HEADER AREA

| | |
|---|---|
| N7~TTWX~993476~~~~~~~~~~~~~~08904~~~~~~~ | |
| KF2x n/l | Primary 1 furnished |
| N5~08904~149000~~KF2x n/l | Primary ordered |

- DETAIL AREA

| | |
|---|---|
| HL~100~I n/l | |
| N7~TTWX~993476 n/l | Primary 1 visibility |
| NA~VT~VIN~NONX~B-301 n/l | Gov't owned vehicle |
| L5~ ... n/l | |
| HL~100~I n/l | |
| N7~TTWX~993476 n/l | Primary 1 visibility |
| NA~VT~VIN~NONX~B-302 n/l | Gov't owned vehicle |
| L5~ ... n/l | |

## CONFIGURATION 3 - PRIMARY EQUIPMENT (MOTOR VAN)

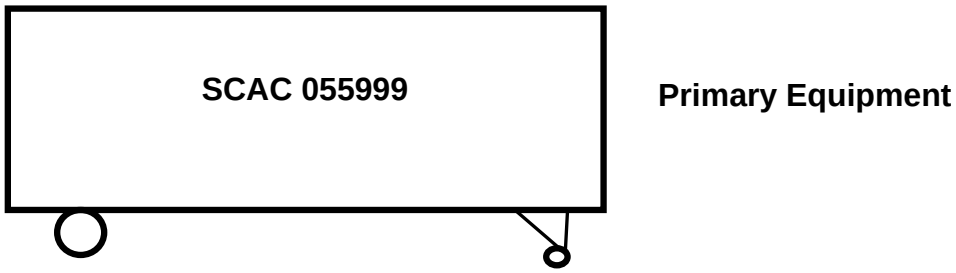


*Table 9.3 - Mapping and Example Data for Equipment Configuration 3*

| Data Name | Mapping | Prime Eq. 1 | Prime Eq. 2 | Prime Eq. 3 |
|---|---|---|---|---|
| Primary Furnished (Header & HL~100) | | | | |
| Initials | N701 | SCAC | | |
| Numbers | N702 | 055999 | | |
| Cube | N708 | | | |
| Cube Qual. | N709 | | | |
| Length | N715 | 04500 | | |
| Equip. Type | N722 | AV3x | | |
| Secondary Furnished (Header) | | | | |
| Initials | NA03 | | | |
| Numbers | NA04 | | | |
| Seals on Primary (Header) | | | | |
| Number | M701-04 | | | |
| Applied By | M705 | | | |
| Primary Ordered (Header) | | | | |
| Length | N501 | 04000 | | |
| Weight Cap. | N502 | 40000 | | |
| Cube Cap. | N503 | | | |
| Equip. Type | N504 | AV2 | | |
| Government Owned Equip. (HL~100) | | | | |
| Vehicle Info | NA01-04 | | | |
| Container/DROM | | | | |
| Initials | NA03 | | | |
| Numbers | NA04 | | | |
| Seal No. | M701-04 | | | |
| Seal Applied | M705 | | | |

*Configuration 3 Example*

- HEADER AREA

N7~SCAC~055999~~~~~~~~~~~~~~04500~~~~~~~~

| | |
|---|---|
| AV3x n/l | Primary Equipment Furnished |
| NA~~~TTWX~993476 n/l | Secondary Equipment Furnished |
| N5~04000~40000~~AV2x n/l | Primary Equipment Ordered |

- DETAIL AREA

HL~100~I n/l

No visibility needed for this configuration

N7~SCAC~05599 n/l

L5~ ... n/l

## CONFIGURATION 4 - PRIMARY (MOTOR VAN) AND PRIMARY (DROM) ON SECONDARY (FLATBED)

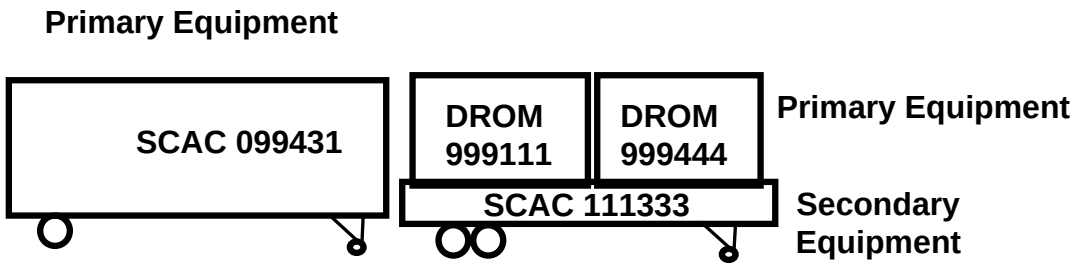


*Table 9.4 - Mapping and Example Data for Equipment Configuration 4*

| Data Name | Mapping | Prime | Prime | Prime |
|---|---|---|---|---|
| | | 1 | 2 | 3 |
| Primary Furnished (Header & HL~100) | | | | |
| Initials | N701 | SCAC | DROM | DROM |
| Numbers | N702 | 099431 | 999111 | 999444 |
| Cube | N708 | | 132 | 132 |
| Cube Qual. | N709 | | E | E |
| Length | N715 | 04000 | | |
| Equip. Type | N722 | AV2x | AD1x | AD1x |
| Secondary Furnished (Header) | | | | |
| Initials | NA03 | | SCAC | SCAC |
| Numbers | NA04 | | 111333 | 111333 |
| Seals on Primary (Header) | | | | |
| Number | M701-04 | | 222222 | 333333 |
| Applied By | M705 | | SH | SH |
| Primary Ordered (Header) | | | | |
| Length | N501 | 04000 | | |
| Weight Cap. | N502 | 40000 | | |
| Cube Cap. | N503 | | 132 | 132 |
| Equip. Type | N504 | AV2x | AD1x | AD1x |
| Government Owned Equip. (HL~100) | | | | |
| Vehicle Info | NA01-04 | | | |
| Container/DROM | | | | |
| Initials | NA03 | | | |
| Numbers | NA04 | | | |
| Seal No. | M701-04 | | | |
| Seal Applied | M705 | | | |

*Configuration 4 Example*

- HEADER AREA

| | |
|---|---|
| N7~SCAC~099431~~~~~~~~~~~~~~04000~~~~~~~AV2x n/l | Primary 1 furnished |
| N5~04000~40000~~AV2x n/l | Primary ordered |
| N7~DROM~999111~~~~~~132~E~~~~~~~~~~~~~AD1x n/l | Primary 2 furnished |
| NA~~~SCAC~111333 n/l | Secondary |
| M7~222222~~~~SH n/l | Primary seals |
| N5~~~132~AD1x n/l | Primary ordered |
| N7~DROM~999444~~~~~~132~E~~~~~~~~~~~~~AD1x n/l | Primary 3 furnished |
| NA~~~SCAC~111333 n/l | Secondary |
| M7~333333~~~~~SH n/l | Primary seals |
| N5~~~132~AD1x n/l | Primary ordered |

- DETAIL AREA

| | |
|---|---|
| HL~100~I n/l | |
| N7~SCAC~099431 n/l | Primary 1 visibility |
| L5~ ... n/l | |
| HL~100~I n/l | |
| N7~DROM~999111 n/l | Primary 2 visibility |
| L5~ ... n/l | |
| HL~100~I n/l | |
| N7~DROM~999444 n/l | Primary 3 visibility |
| L5~ ... n/l | |

## DATA GROUP 80 - STOP INFORMATION

The S5 stop loop of the 858 is used for any pickup or delivery performed between the origin and destination points. This includes split pickup and delivery points that share the same Standard Point Location Code as the origin and/or destination point. The origin address does not occur in the S5 stop loop. The stop sequence number that appears in the S5 segment must also appear with corresponding line items in the N9 segment within the HL 100 loop. Further examples of DLA stop-off scenarios can be found in Section 6.0.

- HEADER AREA

| | |
|---|---|
| N1~SF~Ship from name n/l | Origin |
| N4~Charleston~SC~294087000~~SL~447178 n/l | Origin SPLC |
| N1~ST~Ship to name n/l | Destination |
| N4~Jacksonville~FL~32218000~~SL~491200 n/l | Destination SPLC |
| S5~1~LD~~~~~~~~~447178000 n/l | Stop sequence number and SPLC for split pickup at origin |
| N1~LP~Loading party name n/l | |
| S5~2~LD~~~~~~~~~447100000 n/l | Stop sequence number and SPLC for stop to load |
| N1~LP~Loading party name n/l | |
| S5~3~UL~~~~~~~~~447220000 n/l | Stop sequence number and SPLC for stop to unload |
| N1~UP~Unloading party name n/l | |
| S5~4~UL~~~~~~~~~491200000 n/l | Stop sequence number and SPLC for split delivery at destination |
| N1~UP~Unloading party name n/l | |

- DETAIL AREA

| | |
|---|---|
| HL~100~I n/l | |
| N9~QN~1 n/l | |
| | Cross reference of line item to stop sequence number 1 |
| L5~... n/l | Commodity description |
| L0~... n/l | Commodity quantity |
| HL~100~I n/l | |
| N9~QN~2 n/l | Cross reference of line item to stop sequence number 2 |
| L5~... n/l | Commodity description |
| L0~... n/l | Commodity quantity |
| HL~100~I n/l | |
| N9~QN~3 n/l | Cross reference of line item to stop sequence number 3 |
| L5~... n/l | Commodity description |

| | |
|---|---|
| L0~... n/l | Commodity quantity |
| HL~100~I n/l | |
| N9~QN~4 n/l | Cross reference of line item to stop sequence number 4 |
| L5~... n/l | Commodity description |
| L0~... n/l | Commodity quantity |
| HL~100~I n/l | Delivered at destination |
| L5~... n/l | Commodity description |
| L0~... n/l | Commodity quantity |
| HL~100~I n/l | Delivered at destination |
| L5~... n/l | Commodity description |
| L0~... n/l | Commodity quantity |
| HL~100~I n/l | Delivered at destination |
| L5~... n/l | Commodity description |
| L0~... n/l | Commodity quantity |
| | |
| HL~300~SS | Accessorial Service Loop for Stop Offs |
| N9~QN~1 | Stop sequence from S5 |
| L0~300 | |
| L1~~~SP~5000~~~~SPU~~~~447178000 | Charge, stop (SOC) service, and SPLC |
| | |
| HL~300~SS | |
| N9~QN~2 | Stop sequence from S5 |
| L0~300 | |
| L1~~~~5000~~~~SOC~~~~447100000 | Charge, stop (SOC) service, and SPLC |
| | |
| HL~300~SS | |
| N9~QN~3 | Stop sequence from S5 |
| L0~300 | |
| L1~~~~5000~~~~SOC~~~~447220000 | Charge, stop (SOC) service, and SPLC |
| | |
| HL~300~SS | |
| N9~QN~4 | Stop sequence from S5 |
| L0~300 | |
| L1~~~SP~5000~~~~SPU~~~~491200000 | Charge, stop (SOC) service, and SPLC |

## DATA GROUP 100 - COMMODITY HEADER INFORMATION

## DATA GROUP 120 - COMMODITY DETAIL INFORMATION

A commodity is a single type of product or material. A line item on a transportation bill can describe a single commodity. There may be multiple subpacks of the commodity within the line item. There may be many line items of the same commodity.

The data group 100 - Commodity Header Information is described within the HL 100 Detail - Line Item Description Loop. When constructing this loop, one rule must be followed: A line item (HL 100 loop) can describe a single commodity only, however, that commodity can occur across multiple line items (HL 100 loops).

The data group 120 - Commodity Detail Information is described in the L0 loop of the HL 100 loop. An L0 segment should occur for every subpack of the line item. If a pallet and a box move under the same line item, they are described in separate L0 loops. Two rules must be followed when constructing an L0 segment.

1) If the commodity quantity is expressed as weight, it appears in the L002 and L003 elements. The L004, L005, and L011 elements should not be used.

2) If the commodity quantity is expressed in units other than weight, those units also appear in the L002 and L003 elements. The L004, L005, and L011 elements are used to carry the weight information if required in addition to the quantity units.

## DATA GROUP 190 - HAZMAT INFORMATION

The data group 190 - HAZMAT Information, if applicable, appears once for each HL 100 loop in the LH1 loop. Sometimes special instructions appear on the GBL cover page. Those instructions should be grouped in the LH1 loop under the first occurrence of the HL 100 loop. The line item specific instructions should be grouped in the LH1 loop with their corresponding commodity. If a line item requires a HAZMAT indicator only, it is carried in the LH1 segment and no other LH segments are used.

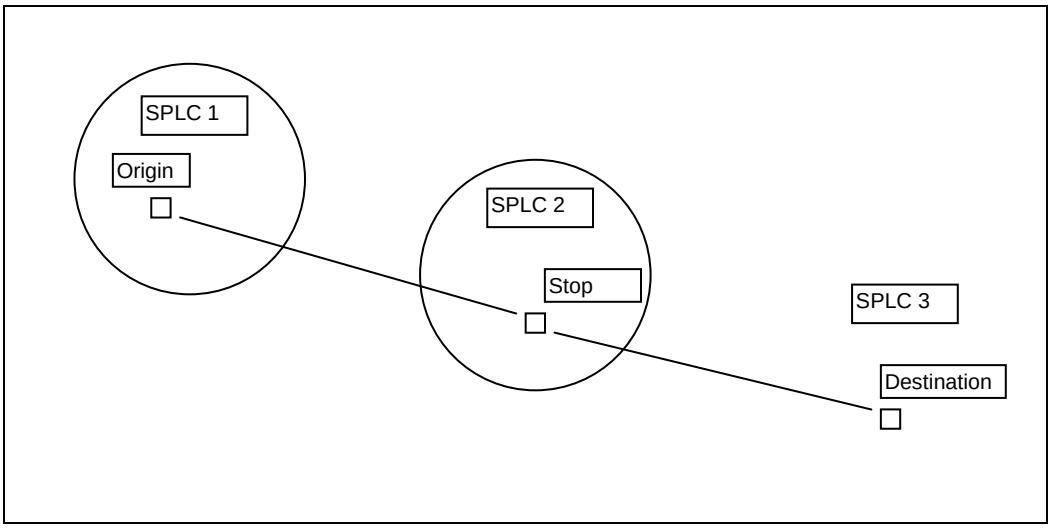
# Shipment Stop Scenarios

MSDDC Tailored Transportation Contract Traffic rules publications identify three types of stops that may occur during a shipment: Stops (SOC), split pickups/deliveries (SPU, SDL), and objective service supply deliveries (DIS). The DoD needs visibility of these shipments and DFAS needs to pay for the associated accessorial services. Consequently, the DTEB Stop-off Work Group examined the functional requirement and developed the following three stop-off scenarios and accompanying EDI examples. DLA and other users of Tailored Transportation Contract Traffic agreements should use the following scenarios to build EDI transactions that are compliant with DTEB conventions.

## STOP (SOC)

The SPLC of a stop is always different from the origin and destination SPLC. Figure 9.1 calls for one S5 loop for SPLC 2.

*Figure 9.1 Stops*



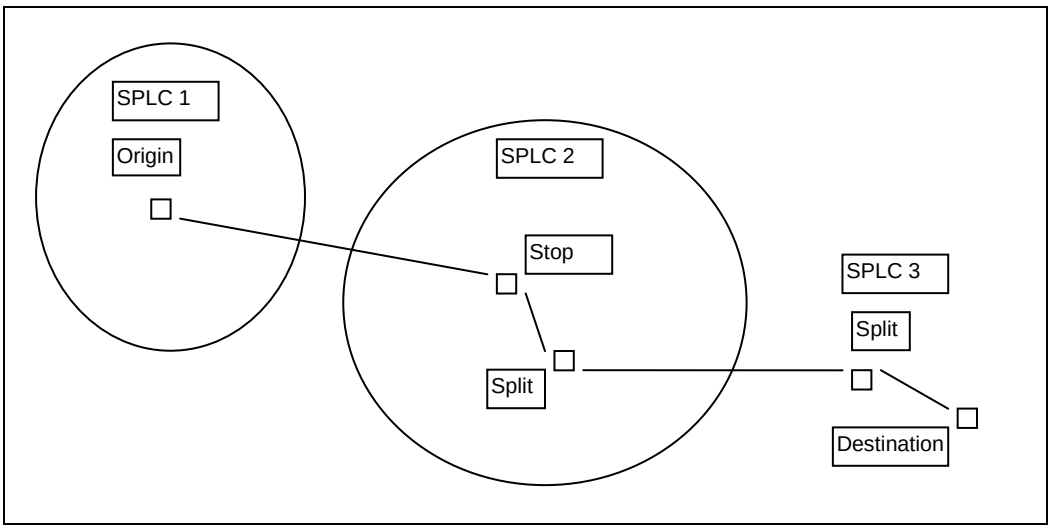

EXAMPLE: (NOTE: THE TILDE "~" CHARACTER SERVES AS THE DATA ELEMENT DELIMITERS IN THE FOLLOWING EXAMPLES.)

```
ST
.
S5~1~UL~~~~~~~~SPLC2          Stop unload
.
HL~100~I                      Line 1 at stop 1
N9~QN~1
.
HL~300~SS
N9~QN~1                       Stop sequence from S5
L0~300
L1~~~~5000~~~~SOC             Charge, stop (SOC) service, and SPLC
.
SE
```

## SPLIT STOPS (SPU, SDL)

Split stops occur after an accessorial "stop-off" and happen within the same SPLC location. Figure 9.2 Illustrates a split delivery at SPLC 2 and a split delivery at SPLC 3. This example calls for three S5 loops.

*Figure 9.2 Split Stops*




## EDI X12 EXAMPLE:

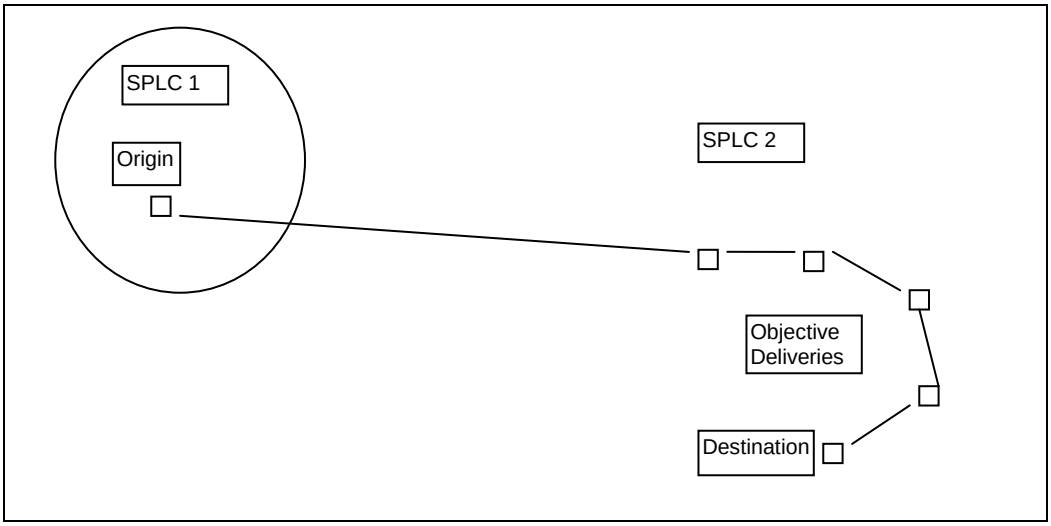
```
ST
.
S5~1~UL~~~~~~~~SPLC2          Stop unload
S5~2~UL~~~~~~~~SPLC2          Split unload
S5~3~UL~~~~~~~~SPLC3          Split unload
.
HL~100~I                      Line 1 at stop 1
N9~QN~1
HL~100~I                      Line 2 at split
N9~QN~2
HL~100~I                      Line 3 at split
N9~QN~3
.
HL~300~SS
N9~QN~1                       Stop sequence from S5
L0~300
L1~~~~5000~~~~SOC~~~~SPLC2    Charge, service, and SPLC

HL~300~SS
L0~300~2~SP                   Quantity of accessorial service units
L1~~SP~5000~100.00~~~~SDL     Rate and charge for two split deliveries (SDLs)
SE
```

## OBJECTIVE SERVICE SUPPLY DELIVERIES

Objective Service Supply Deliveries occur before the final delivery at the destination SPLC location. This example calls for four S5 loops. Figure 9.3 illustrates this scenario.

*Figure 9.3 Objective Service Supply Deliveries*




## EXAMPLE:

```
ST
.
S5~1~UL~~~~~~~~SPLC2                    Objective unload
S5~2~UL~~~~~~~~SPLC2                    Objective unload
S5~3~UL~~~~~~~~SPLC2                    Objective unload
S5~4~UL~~~~~~~~SPLC2                    Objective unload
.
HL~100~I                                Line 1 at objective 1
N9~QN~1
HL~100~I                                Line 2 at objective 1
N9~QN~2
HL~100~I                                Line 3 at objective 1
N9~QN~3
HL~100~I                                Line 4 at objective 1
N9~QN~4
.
HL~300~SS
L0~300~4~SP                       Quantity of accessorial service units
L1~~{qualifier}~5000~200.00~~~~DIS  Rate and charge for four DIS deliveries
.
SE
```

# SPECIAL CASES

## *Split Stops*

Expressing costs for split pickup and delivery varies between shipments costed using voluntary tenders and Tailored Transportation Contract traffic tenders.

- Voluntary Tenders

Load and unload actions are identified using code SPU.

- Tailored Transportation Contract Traffic Tenders

Load actions are identified using code SPU.
Unload actions are identified using code SDL.

## *Intransit pickup and delivery*

If a line item is picked up at a stop location and delivered at another stop location, the HL~100 describing the line item must contain two N9 segments. The first N9 segment describes the pickup stop sequence number. The second N9 describes the delivery stop sequence number.

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