Department
of
Defense

# DoD Transportation Electronic Business (DTEB) Convention

## ASC X12 Transaction Set 858 Shipment Information (Version 004010) – TCMD

VERSION 1

July 2011

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# Section 1.0

# INTRODUCTION

This implementation convention (IC) describes the standard or convention the Department of Defense will use to process Transportation Control and Movement Data and Manifests 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
TCJ6-AD
508 Scott Drive
Scott Air Force Base, IL 62225-7001

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

https://cris.transcom.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 requirement 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 1

This Implementation Convention contains all DTEB approved changes (Data Maintenance items) applied in all previous versions in addition to the changes identified in the following table.

| DM Number | DM Description | Approval Date |
|---|---|---|
| 1014 | Changes allowable values for "Special Requirements Code" | 6/10/2011 |
| 1010 | Add contact information to the 858B | 5/17/2011 |
| 896 | Changes atrribute length for Onward Mode/Method Codes | 4/8/2011 |

# Section 2.0

# CONTROL SEGMENTS

## Overview

This section describes the EDI control segments (interchange control and functional group segments). The control segment information was derived from the *ASC* X12 Standards Version 4 Release 1 (004010).

## Purpose

This section identifies the specific data requirements for formatting the EDI control segments when transmitting and receiving EDI transactions. The format and data content of the control segments are usually managed by EDI translation software. The data requirements described herein should be used to set control segment formats when installing or initializing translation software for transmission and reception of EDI transactions.

## Contents

The complete 004010 version/release control segments includes an Interchange Control Segment Hierarchy on page 2.3, which identifies the control segments in their order of occurrence in an EDI communications interchange.

Beginning on page 2.5 are Department of Defense (DoD) Convention *ASC* X12 Control Segments, which present a detailed description of DoD data conventions for formatting Interchange Control and Functional Group segments for use among Defense Transportation Electronic Business (DTEB) trading partners.

## Special Instructions

Any unique eight-bit (byte) character may serve as data element separator, segment terminator, or component element separator, provided each character is disjoint from all data elements within an interchange and that these values do not conflict with telecommunications protocols necessary to the transmission of the interchange. The following recommended values conform to information published in Electronic Data Interchange, X12 Standards, Interchange Control Structures, Section 4.3, Delimiter Specifications.

## DATA ELEMENT SEPARATOR

While the data element separator is graphically displayed as an asterisk (*) or a tilde (~) in *ASC* X12 documentation, it is the value employed in the fourth byte of an interchange envelope that actually assigns the separator that the translators will use throughout an interchange. Any unique eight-bit (byte) character may serve as data element separator, segment terminator, or component element separator, provided each character is disjoint from all data elements within an interchange and that these do not conflict with telecommunications protocols necessary to the transmission of the interchange.

*ASC* X12 recommends the ASCII character with hexadecimal value “1D” for use as the data element separator (gs). These values conform to information published in Electronic Data Interchange, X12 Standards, Interchange Control Structures, Section 4.3, Delimiter Specifications.

## SEGMENT TERMINATOR

Likewise, the control envelope establishes the byte value used for segment termination within an interchange. *ASC* X12 documentation usually portrays this as a new line (n/l character, but the actual segment terminator for an interchange will be the byte value occurring immediately following the ISA16 segment. *ASC* X12 recommends the ASCII character with hexadecimal value “1C” for use as the segment (fs) terminator.

## COMPONENT ELEMENT SEPARATOR

The ISA segment provides a discrete element (ISA16) for defining the component element separator within an interchange. The component element separator is a delimiter used to separate component data elements within a composite data structure. It must be different than the data element separator and the segment terminator. *ASC* X12 recommends the ASCII character with hexadecimal value “1F” for use as the component element separation (us) character.

## GS01 CODE VALUE

Use the appropriate code value from data element 479 in GS01 of the control envelope for indicating the transaction set being transmitted. For example, to exchange an implementation convention for Transaction Set 858, the correct code value for GS01 is ‘SI’ denoting Shipment Information (858).

## X12 PUBLICATION

See *ASC* X12 Electronic Data Interchange X12 Draft Version 4 Release 1 Standards, Document Number: *ASC X12S/97-372*, for complete 004010 version/release control segment specifications.

# Interchange Control Envelope Control Segments

| Usage | Seg ID | Name | Req | Des | Max Use |
|---|---|---|---|---|---|
| Must Use | ISA | Interchange Control Header | M | | 1 |
| Must Use | GS | Functional Group Header | M | | 1 |
| Must Use | • ST - SE | Grouped Transactions | | | |
| Must Use | • ST - SE | Grouped Transactions | | | |
| Must Use | • ST - SE | Grouped Transactions | | | |
| Must Use | GE | Functional Group Trailer | M | | 1 |
| Must Use | GS | Functional Group Header | M | | 1 |
| Must Use | • ST - SE | Grouped Transactions | | | |
| Must Use | • ST - SE | Grouped Transactions | | | |
| Must Use | • ST - SE | Grouped Transactions | | | |
| Must Use | GE | Functional Group Trailer | M | | 1 |
| Must Use | IEA | Interchange Control Trailer | M | | 1 |

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Segment: ISA Interchange Control Header

Usage: Mandatory

Max Use: 1

Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

## DATA ELEMENT SUMMARY

| | Ref Des | Data Element | Name | Attributes |
|---|---|---|---|---|
| **M** | **ISA01** | **I01** | **Authorization Information Qualifier**<br>Code to identify the type of information in the Authorized Information<br><br>**Code** — **Definition**<br>00 — No Authorization Information Present (No Meaningful Information in I02) | **M ID 2/2** |
| **M** | **ISA02** | **I02** | **Authorization Information**<br>Information used for additional clarification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)<br><br>For code value ‘00’ in ISA01, fill with zeros. | **M AN 10/10** |
| **M** | **ISA03** | **I03** | **Security Information Qualifier**<br>Code to identify the type of information in the Security Information<br><br>**Code** — **Definition**<br>00 — No Security Information Present (No Meaningful Information in I04) | **M ID 2/2** |
| **M** | **ISA04** | **I04** | **Security Information**<br>This is used for identifying the security Information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03).<br><br>For code value ‘00’ in ISA03, fill with zeros. | **M AN 10/10** |

**M ISA05 I05 Interchange ID Qualifier M ID 2/2**

Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

Select appropriate code value for sender from 4010 X12 code list for data element I05. For Department of Defense Agency Address Code (DoDAAC) use code value '10'.

**M ISA06 I06 Interchange Sender ID M AN 15/15**

Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element.

DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code qualified by ISA05 and coordinated with network value added network (VAN) Administrator.

**M ISA07 I05 Interchange ID Qualifier M ID 2/2**

Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

Select appropriate code value for receiver from 4010 X12 code list for data element I05. For DoDAAC use code value '10'.

**M ISA08 I07 Interchange Receiver ID M AN 15/15**

Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them.

DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code qualified by ISA05 and coordinated with VAN Administrator.

**M ISA09 I08 Interchange Date M DT 6/6**
Date of the interchange

Date in YYMMDD format assigned by translation software

**M ISA10 I09 Interchange Time M DT 4/4**
Time of the interchange

Time in HHMM format assigned by translation software

**M ISA11 I10 Interchange Control Standards M ID 1/1**
Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer

| Code | Definition |
|---|---|
| U | U.S. EDI Community of ASC X12, TDCC, and UCS |

**M ISA12 I11 Interchange Control Version Number M ID 5/5**
This version number covers the interchange Control segments.

| Code | Definition |
|---|---|
| 00401 | Draft Standards for Trial Use Approved for Publication by ASC 12 Procedures Review Board through October 1997 |

Version/release of control segment, as agreed upon by the trading partners

**M ISA13 I12 Interchange Control Number M N0 9/9**
A control number assigned by the interchange sender

Number assigned by translation software. The sender, receiver, and all third parties should be able to maintain an audit trail of interchanges using this number.

**M ISA14 I13 Acknowledgment Requested M ID 1/1**
Code sent by the sender to request an interchange acknowledgment (TA1)

| Code | Definition |
|---|---|
| 0 | No Acknowledgment Requested |
| 1 | Interchange Acknowledgment Requested |

Send code agreed upon by trading partners.

**M ISA15 I14 Usage Indicator M ID 1/1**

Code to indicate whether data enclosed by this interchange envelope is test, production, or information

| Code | Definition |
|---|---|
| I | Information |
| P | Production Data |
| T | Test Data |

Use code value as agreed upon by trading partners.

**M ISA16 I15 Component Element Separator AN 1/1**

Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator.

ASC X12 recommends the use of ASCII character whose hexagonal value is ‘1F’as the component element separation character

Segment: GS Functional Group Header

Usage: Mandatory

Max Use: 1

Purpose: To indicate the beginning of a functional group and to provide control information

## DATA ELEMENT SUMMARY

| | Ref Des | Data Element | Name | Attributes |
|---|---|---|---|---|
| **M** | **GS01** | **479** | **Functional Identifier Code**<br>Code identifying a group of application related transaction sets<br><br>Use the appropriate code value from data element 479 in GS01 of the control envelope for indicating the transaction set being transmitted. For example, to exchange an implementation convention for Transaction Set 858, the correct code value for GS01 is 'SI' denoting Shipment Information (858). | **M ID 2/2** |
| **M** | **GS02** | **142** | **Application Sender's Code**<br>Code identifying party sending transmission; codes agreed to by trading partners<br><br>Typically, a sender will use different codes here to uniquely identify each implementation convention (IC) for a particular transaction set. DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code assigned by DoD, which for increased security should differ from that used in ISA06. | **M AN 2/15** |
| **M** | **GS03** | **124** | **Application Receiver's Code**<br>Code to identify the type of information in the Security Information<br><br>DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code assigned by DoD, which for increased security should differ from that used in ISA08 | **M AN 2/15** |

**M GS04 373 Date M DT 8/8**

Date expressed as CCYYMMDD.
Information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)

Date assigned by translation software

**M GS05 337 Time M 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 D = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Time expressed in HHMM format assigned by translation software

**M GS06 28 Group Control Number M N0 1/9**

Assigned number originated and maintained by the sender

Number assigned by translation software. The sender, receiver, and all third parties should be able to maintain an audit trail of interchanges using this number.

**M GS07 455 Responsible Agency Code M ID 1/1**

Code used in conjunction with Data Element 480 to identify the issuer of the standard.

| Code | Definition |
|---|---|
| X | Accredited Standards Committee X12 |

**M GS08 480 Version / Release / Industry Identified Code M AN 6/6**

Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by the user), if code in DE455 in GS segment is T, then other formats are allowed.

| Code | Definition |
|---|---|
| 004010 | Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997 |

This is the version/release for all transactions within a functional group. See X12 4010 Dictionary for source code list. Note: optional positions 7-12 are not used by the DTEB community.

Segment: GE Functional Group Trailer

Usage: Mandatory

Max Use: 1

Purpose: To indicate the end of a functional group and to provide control information

## DATA ELEMENT SUMMARY

| | Ref Des | Data Element | Name | Attributes |
|---|---|---|---|---|
| **M** | **GE01** | **97** | **Number of Transaction Sets Included**<br>Total number of segments included in a transaction set including ST and SE segments<br><br>Number assigned by translation software | **M N0 1/6** |
| **M** | **GE02** | **28** | **Group Control Number**<br>Assigned number originated and maintained by the sender<br><br>Number assigned by the translation software. This control number matches the control number that occurs in GS06. | **M N0 1/9** |

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Segment: IEA Interchange Control Trailer

Usage: Mandatory

Max Use: 1

Purpose: To define the end of an interchange of zero or more functional groups and interchange related control segments

## DATA ELEMENT SUMMARY

| | Ref Des | Data Element | Name | Attributes |
|---|---|---|---|---|
| **M** | **IEA01** | **I16** | **Number of Included Functional Groups**<br>A count of the number of functional groups included in an interchange<br><br>Number calculated by translation software | **M N0 1/6** |
| **M** | **IEA02** | **I12** | **Interchange Control Number**<br>A control number assigned by the interchange sender<br><br>Number assigned by translation software. This number must match that occurring in ISA13. | **M N0 9/9** |

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# Section 3.0

# STANDARD IMPLEMENTATION CONVENTION

This section presents the DoD's convention for interpreting the Transportation Control and Movement Document and Manifests using the ASC X12.18 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.

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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 |
| Not Used | 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 | | |
| Not Used | 080 | Y7 | Priority | O | 1 | | |
| | 090 | C3 | Currency | O | 1 | | |
| Not Used | 100 | ITD | Terms of Sale/Deferred Terms of Sale | O | 1 | | |
| Not Used | 110 | G62 | Date/Time | O | 10 | | |
| | 120 | PER | Administrative Communications Contact | O | 3 | | |
| Not Used | 130 | NA | Cross-Reference Equipment | O | 999 | | |
| Not Used | 140 | F9 | Origin Station | O | 1 | | |
| Not Used | 150 | D9 | Destination Station | O | 1 | | |
| Not Used | 160 | R1 | Route Information (Air) | O | 1 | | |
| Not Used | 170 | R2 | Route Information | O | 13 | | |
| Not Used | 175 | R3 | Route Information - Motor | O | 13 | | |
| Must Use | 180 | R4 | Port or Terminal | O | 5 | | |
| Not Used | 190 | MEA | Measurements | O | 10 | | |
| Not Used | 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 | |
| Not Used | 220 | E1 | Empty Car Disposition - Pended Destination Consignee | O | 1 | | |
| Not Used | 230 | E4 | Empty Car Disposition - Pended Destination City | O | 1 | | |
| Not Used | 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 | |
| Not Used | 270 | L7 | Tariff Reference | O | 30 | |
| Not Used | 280 | NTE | Note/Special Instruction | O | 50 | |
| Not Used | 290 | XH | Pro Forma - B13 Information | O | 1 | |
| | | | LOOP ID - N7 | | | 600 |
| Not Used | 330 | N7 | Equipment Details | O | 1 | |
| Not Used | 331 | EM | Equipment Characteristics | O | 1 | |
| Not Used | 335 | NA | Cross-Reference Equipment | O | 30 | |
| Not Used | 340 | M7 | Seal Numbers | O | 5 | |
| Not Used | 350 | N5 | Equipment Ordered | O | 1 | |
| Not Used | 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 |
| Not Used | 390 | N1 | Name | O | 1 | |
| Not Used | 400 | N2 | Additional Name Information | O | 2 | |
| Not Used | 410 | N3 | Address Information | O | 2 | |
| Not Used | 420 | N4 | Geographic Location | O | 1 | |
| Not Used | 430 | REF | Reference Identification | O | 12 | |
| Not Used | 440 | PER | Administrative Communications Contact | O | 3 | |
| Not Used | 445 | H3 | Special Handling Instructions | O | 5 | |
| | | | LOOP ID - S5 | | | 999 |
| Not Used | 450 | S5 | Stop-off Details | O | 1 | |
| Not Used | 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 |
| Not Used | 490 | N1 | Name | O | 1 | |
| Not Used | 500 | N2 | Additional Name Information | O | 2 | |
| Not Used | 510 | N3 | Address Information | O | 2 | |
| Not Used | 520 | N4 | Geographic Location | O | 1 | |
| Not Used | 530 | REF | Reference Identification | O | 12 | |
| Not Used | 540 | PER | Administrative Communications Contact | O | 3 | |
| | | | LOOP ID - FA1 | | | >1 |
| Not Used | 550 | FA1 | Type of Financial Accounting Data | O | 1 | |
| Not Used | 560 | FA2 | Accounting Data | M | >1 | |
| Not Used | 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 | | |
| Must Use | 020 | N7 | Equipment Details | O | 1 | | |
| Not Used | 030 | NA | Cross-Reference Equipment | O | 1 | | |
| | 040 | M7 | Seal Numbers | O | 5 | | |
| | 050 | N5 | Equipment Ordered | O | 1 | | |
| Must Use | 060 | REF | Reference Identification | O | 5 | | |
| Not Used | 070 | IC | Intermodal Chassis Equipment | O | 1 | | |
| | 080 | VC | Motor Vehicle Control | O | 24 | | |
| | 090 | L7 | Tariff Reference | O | 10 | | |
| Not Used | 095 | SL1 | Tariff Reference | O | 1 | | |
| Must Use | 100 | N9 | Reference Identification | O | 10 | | |
| | 105 | H3 | Special Handling Instructions | O | 1 | | |
| Not Used | 110 | X1 | Export License | O | 6 | | |
| Not Used | 120 | X2 | Import License | O | 1 | | |
| | 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 | | |
| Not Used | 134 | LH6 | Hazardous Certification | O | 5 | | |
| | 137 | Y7 | Priority | O | 2 | | |
| | 138 | G62 | Date/Time | O | 10 | | |
| Must Use | 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 | | |
| Not Used | 150 | L1 | Rate and Charges | O | 20 | | |
| Must Use | 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 | |
| Must Use | 230 | FA1 | Type of Financial Accounting Data | O | 1 | | |
| M | 240 | FA2 | Accounting Data | M | >1 | | |
| Not Used | 250 | L10 | Weight | O | 1 | | |
| | | | LOOP ID - NM1 | | | 4 | |
| Must Use | 260 | NM1 | Individual or Organizational Name | O | 1 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | 270 | N3 | Address Information | O | 2 | |
| Not Used | 280 | N4 | Geographic Location | O | 1 | |
| | | | LOOP ID - N1 | | | 4 |
| Must Use | 290 | N1 | Name | O | 1 | |
| Not Used | 300 | N2 | Additional Name Information | O | 2 | |
| Not Used | 310 | N3 | Address Information | O | 2 | |
| Not Used | 320 | N4 | Geographic Location | O | 1 | |

## Summary:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| Not Used | 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:**
**Notes:** [1] ST SEGMENT - TCMD Header (DG 10)
Only one of the included BX segments applies. Depending upon manner of containerization for the shipment, choose DataGroup (DG) 1000 for single shipment units, DG 2000 for consolidated shipments loaded into SEAVAN/RORO/463L, or DG 3000 for other shipment unit consolidations.

**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>Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set. The application and structure of the control number must be agreed upon between trading partners. (For example, the first five digits might indicate a group control number, with the last four digits representing the sequence of the transaction set within the functional group. Otherwise, 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 - Single Shipment Unit (T_0/1) (DG 1000)
Populate 858 Table 1 following DG 1000 references if the first DIC in the TCMD is a T_0 or T_1 (or R_0/1 for simulated mobilization exercises). Note that T_0/1/4 DICs are described by T_0 (DG 1000) records. Populate HL loops following DG 1001.
SEGMENT CONDITION: ONE AND ONLY ONE BX SEGMENT MUST BE USED FOR THE 858B TRANSACTION SET. Use this segment and all applicable DG 1000 entries for a TCMD for a single shipment unit.
[8] BX SEGMENT - SEAVAN/RORO/463L Shipment Unit (T_2) (DG 2000)
Populate 858 Table 1 following DG 2000 references if the first DIC in the TCMD is T_2. In addition, populate the first occurrence of HL loops following DG 2001, 2014, and 2015 references. Additional occurrences may be populated following DG 1001 and DG 3001.
SEGMENT CONDITION: ONE AND ONLY ONE BX SEGMENT MUST BE USED FOR THE 858B TRANSACTION SET. Use this segment and all applicable DG 2000 entries for a TCMD for a TCMD for a SEAVAN/RORO/463L shipment unit.
[14] BX SEGMENT - Other Consolidations (T_3) (DG 3000)
Populate 858 Table 1 following DG 3000 references if the first DIC in the TCMD is a T_3 describing a consolidation of shipment units other than SEAVAN/RORO/463L. Populate the first HL loop occurrence following DG 3001 and DG 3014 references.
SEGMENT CONDITION: ONE AND ONLY ONE BX SEGMENT MUST BE USED FOR THE 858B TRANSACTION SET. Use this segment and all applicable DG 3000 entries for a consolidation of surface or air shipment units (other than a SEAVAN/RORO/463L shipment unit).

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| **M** | **BX01** | **353** | **Transaction Set Purpose Code**<br>Code identifying purpose of transaction set<br>[2-01] TCMD Purpose Code for Single Shipment Units (DG 1000)<br>Use in lieu of the transportation priority code when deleting or canceling the TCMD. See DTR Table M-2.<br>[8-01] TCMD Purpose Code for SEAVAN/RORO/463L Shipment Units (DG 2000)<br>Use in lieu of the transportation priority code when deleting or canceling the TCMD. See DTR Table M-4, M-5, or M-6.<br>[14-01] TCMD Purpose Code for Other Consolidations (DG 3000)<br>Use in lieu of the transportation priority code when deleting or canceling the TCMD. See DTR Table M-7. | **M ID 2/2** |
| | | | 00 Original<br>[2-01] Original<br>[8-01] Original<br>[14-01] Original | |
| | | | 03 Delete<br>[2-01] Delete<br>[8-01] Delete<br>[14-01] Delete | |
| | | | 04 Change<br>[2-01] Change | |

[8-01] Change
[14-01] Change

| | | | | | |
|---|---|---|---|---|---|
| **M** | **BX02** | **91** | **Transportation Method/Type Code** | **M** | **ID 1/2** |

Code specifying the method or type of transportation for the shipment

[2-02] Mode/Method to POE Code (DG 1000)
Translate the one-position DTR mode/method code to a valid X12 code. This code value indicates the mode/method used to deliver the shipment unit to the POE.

Use any code as appropriate. However, in accordance with DM 753, when using code value 'J', use it to denote Motor, Truckload.In cases where the shipment goes to a consolidation and containerization point (CCP), enter code value 'ZZ' to satisfy X12 syntax requirement.
SOURCE: DTR Table M-2, M-3, or M-8.
[8-02] Mode/Method to POE Code (DG 2000)
Translate the one-position DTR mode/method code to a valid X12 code. This code value indicates the mode/method used to deliver the shipment unit to the POE. DTR allows this field to be left blank (for example, when the container is stuffed at the port). In those cases where data is not required for this element, enter code value 'ZZ' to satisfy X12 syntax requirements. See DTR Table M-4, M-5, or M-6.
[14-02] Mode/Method to POE Code (DG 3000)
Translate the one-position DTR mode/method code to a valid X12 code. This code value indicates the mode/method used to deliver the shipment unit to the POE. See DTR Table M-7. In cases where the shipment does not go to a POE, enter code value 'ZZ' to satisfy X12 syntax requirement.

| | |
|---|---|
| 6 | Military Official Mail |
| | [2-02] Military Official Mail<br>[8-02] Original<br>[14-02] Original |
| 7 | Mail |
| | Type of transportation provided by the U.S. Postal Service |
| | [2-02] Mail<br>[8-02] Original<br>[14-02] Original |
| A | Air |
| | [2-02] Air<br>[8-02] Original<br>[14-02] Original |
| AC | Air Charter |
| | [2-02] Air Charter<br>[8-02] Original<br>[14-02] Original |
| AE | Air Express |
| | [2-02] Air Express<br>[8-02] Original<br>[14-02] Original |
| AF | Air Freight |
| | [2-02] Air Freight<br>[8-02] Original<br>[14-02] Original |
| AH | Air Taxi |
| | FAA approved carrier utilizing a 1 or 2 engine aircraft for on demand service |
| | [2-02] Air Taxi<br>[8-02] Original<br>[14-02] Original |
| AR | Armed Forces Courier Service (ARFCOS) |

| | |
|---|---|
| | A military organization whose mission involves the receipt, movement, and delivery of special categories of material<br>[2-02] Armed Forces Courier Service (ARFCOS)<br>[8-02] Original<br>[14-02] Original |
| B | Barge<br>[2-02] Barge<br>[8-02] Original<br>[14-02] Original |
| BP | Book Postal<br>[2-02] Book Postal<br>[8-02] Original<br>[14-02] Original |
| BU | Bus<br>[2-02] Bus<br>[8-02] Original<br>[14-02] Original |
| C | Consolidation<br>[2-02] Consolidation<br>[8-02] Original<br>[14-02] Original |
| CE | Customer Pickup / Customer's Expense<br>[2-02] Customer Pickup / Customer's Expense<br>[8-02] Original<br>[14-02] Original |
| D | Parcel Post<br>[2-02] Parcel Post<br>[8-02] Original<br>[14-02] Original |
| DA | Driveaway Service<br>Movement of wheeled vehicle, wheeled equipment, or wheeled chassis of which is powered by a self-contained power unit (includes tractor/trailer combination)<br>[2-02] Driveaway Service<br>[8-02] Original<br>[14-02] Original |
| DW | Driveaway, Truckaway, Towaway<br>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<br>[2-02] Driveaway, Truckaway, Towaway<br>[8-02] Original<br>[14-02] Original |
| E | Expedited Truck<br>[2-02] Expedited Truck<br>[8-02] Original<br>[14-02] Original |
| ED | European or Pacific Distribution System<br>Military operated logistic distribution system within the indicated theaters of operation<br>[2-02] European or Pacific Distribution System<br>[8-02] Original<br>[14-02] Original |
| F | Flyaway<br>When an aircraft is sold to a customer, the delivery flight (non-revenue) includes goods and products (such as spare |

| | |
|---|---|
| | parts) as part of the contract<br>[2-02] Flyaway<br>[8-02] Original<br>[14-02] Original |
| FA | Air Freight Forwarder<br>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"<br>[2-02] Air Freight Forwarder<br>[8-02] Original<br>[14-02] Original |
| FL | Motor (Flatbed)<br>[2-02] Motor (Flatbed)<br>[8-02] Original<br>[14-02] Original |
| GG | Geographic Receiving/Shipping<br>A collection of shipments that involve multiple origins, multiple destinations, and a single trailer, and are paid under a single freight bill<br>[2-02] Geographic Receiving/Shipping<br>[8-02] Original<br>[14-02] Original |
| GR | Geographic Receiving<br>A collection of shipments that involve a single origin, multiple destinations, and a single trailer, and are paid under a single freight bill<br>[2-02] Geographic Receiving<br>[8-02] Original<br>[14-02] Original |
| GS | Geographic Shipping<br>A collection of shipments that involve multiple origins, a single destination, and a single trailer, and are paid under a single freight bill<br>[2-02] Geographic Shipping<br>[8-02] Original<br>[14-02] Original |
| H | Customer Pickup<br>[2-02] Customer Pickup<br>[8-02] Original<br>[14-02] Original |
| HH | Household Goods Truck<br>[2-02] Household Goods Truck<br>[8-02] Original<br>[14-02] Original |
| I | Common Irregular Carrier<br>[2-02] Common Irregular Carrier<br>[8-02] Original<br>[14-02] Original |
| J | Motor<br>[2-02] Motor<br>Use 'J' to denote Motor, Truckload<br>[8-02] Original<br>[14-02] Original |
| K | Backhaul<br>[2-02] Backhaul<br>[8-02] Original |

| | |
|---|---|
| | [14-02] Original |
| L | Contract Carrier |
| | [2-02] Contract Carrier<br>[8-02] Original<br>[14-02] Original |
| 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>[8-02] Original<br>[14-02] Original |
| LT | Less Than Trailer Load (LTL) |
| | [2-02] Less Than Trailer Load (LTL)<br>[8-02] Original<br>[14-02] Original |
| M | Motor (Common Carrier) |
| | [2-02] Motor (Common Carrier)<br>[8-02] Original<br>[14-02] Original |
| MB | Motor (Bulk Carrier) |
| | [2-02] Motor (Bulk Carrier)<br>[8-02] Original<br>[14-02] Original |
| MP | Motor (Package Carrier) |
| | [2-02] Motor (Package Carrier)<br>[8-02] Original<br>[14-02] Original |
| N | Private Vessel |
| | [2-02] Private Vessel<br>[8-02] Original<br>[14-02] Original |
| O | Containerized Ocean |
| | [2-02] Containerized Ocean<br>[8-02] Original<br>[14-02] Original |
| P | Private Carrier |
| | [2-02] Private Carrier<br>[8-02] Original<br>[14-02] Original |
| PA | Pooled Air |
| | Outbound shipment from an airport consolidation point to a final destination via an air move |
| | [2-02] Pooled Air<br>[8-02] Original<br>[14-02] Original |
| PG | Pooled Piggyback |
| | Outbound shipment consisting of a trailer on a railcar from a consolidation point to a final destination via rail move |
| | [2-02] Pooled Piggyback<br>[8-02] Original<br>[14-02] Original |
| PL | Pipeline |
| | [2-02] Pipeline<br>[8-02] Original<br>[14-02] Original |
| PP | Pool to Pool |

| | |
|---|---|
| | Shipment moves from one consolidation point to another consolidation point before final delivery |
| | [2-02] Pool to Pool<br>[8-02] Original<br>[14-02] Original |
| PR | Pooled Rail |
| | [2-02] Pooled Rail<br>[8-02] Original<br>[14-02] Original |
| PT | Pooled Truck |
| | [2-02] Pooled Truck<br>[8-02] Original<br>[14-02] Original |
| Q | Conventional Ocean |
| | [2-02] Conventional Ocean<br>[8-02] Original<br>[14-02] Original |
| R | Rail |
| | [2-02] Rail<br>[8-02] Original<br>[14-02] Original |
| RC | Rail, Less than Carload |
| | Movement by rail of a quantity of freight less than that required for the application of a carload rate |
| | [2-02] Rail, Less than Carload<br>[8-02] Original<br>[14-02] Original |
| RR | Roadrailer |
| | Used for shipments that travel by roadrailer, i.e., a multimodal rail/highway trailer |
| | [2-02] Roadrailer<br>[8-02] Original<br>[14-02] Original |
| S | Ocean |
| | [2-02] Ocean<br>[8-02] Original<br>[14-02] Original |
| SB | Shipper Agent |
| | Agent for piggyback code consolidation |
| | [2-02] Shipper Agent<br>[8-02] Original<br>[14-02] Original |
| SC | Shipper Agent (Truck) |
| | Motor carrier agent for piggyback trailer consolidators |
| | [2-02] Shipper Agent (Truck)<br>[8-02] Original<br>[14-02] Original |
| SD | Shipper Association |
| | Non-profit cooperative consolidator or distributors of shipments by member firms |
| | [2-02] Shipper Association<br>[8-02] Original<br>[14-02] Original |
| SE | Sea/Air |
| | [2-02] Sea/Air<br>[8-02] Original<br>[14-02] Original |
| SR | Supplier Truck |

| | |
|---|---|
| | [2-02] Supplier Truck<br>[8-02] Original<br>[14-02] Original |
| SS | Steamship |
| | [2-02] Steamship<br>[8-02] Original<br>[14-02] Original |
| ST | Stack Train |
| | [2-02] Stack Train<br>[8-02] Original<br>[14-02] Original |
| T | Best Way (Shippers Option) |
| | [2-02] Best Way (Shippers Option)<br>[8-02] Original<br>[14-02] Original |
| TA | Towaway Service |
| | Movement of shipper owned trailers or semi-trailers loaded and/or pulled by carrier furnished power unit<br>[2-02] Towaway Service<br>[8-02] Original<br>[14-02] Original |
| TC | Cab (Taxi) |
| | [2-02] Cab (Taxi)<br>[8-02] Original<br>[14-02] Original |
| TT | Tank Truck |
| | [2-02] Tank Truck<br>[8-02] Original<br>[14-02] Original |
| U | Private Parcel Service |
| | [2-02] Private Parcel Service<br>[8-02] Original<br>[14-02] Original |
| VA | Motor (Van) |
| | [2-02] Motor (Van)<br>[8-02] Original<br>[14-02] Original |
| VE | Vessel, Ocean |
| | [2-02] Vessel, Ocean<br>[8-02] Original<br>[14-02] Original |
| VL | Vessel, Lake |
| | [2-02] Vessel, Lake<br>[8-02] Original<br>[14-02] Original |
| W | Inland Waterway |
| | [2-02] Inland Waterway<br>[8-02] Original<br>[14-02] Original |
| WP | Water or Pipeline Intermodal Movement |
| | A water move by barge or tanker followed by a pipeline move to the destination<br>[2-02] Water or Pipeline Intermodal Movement<br>[8-02] Original<br>[14-02] Original |
| X | Intermodal (Piggyback) |
| | [2-02] Intermodal (Piggyback)<br>[8-02] Original<br>[14-02] Original |

| | | | | | |
|---|---|---|---|---|---|
| | | | Y | Military Intratheater Airlift Service<br>Method of movement of material from a point in a theater to another point within the same theater by military controlled aircraft<br>[2-02] Military Intratheater Airlift Service<br>[8-02] Original<br>[14-02] Original | |
| | | | Y1 | Ocean Conference Carrier<br>[2-02] Ocean Conference Carrier<br>[8-02] Original<br>[14-02] Original | |
| | | | Y2 | Ocean Non-Conference Carrier<br>[2-02] Ocean Non-Conference Carrier<br>[8-02] Original<br>[14-02] Original | |
| | | | ZZ | Mutually defined<br>[2-02] Mutually defined<br>[8-02] Original<br>[14-02] Original | |
| **M** | **BX03** | **146** | **Shipment Method of Payment** | **M** | **ID 2/2** |
| | | | Code identifying payment terms for transportation charges<br>[2-03] Shipment Method of Payment Code (DG 1000)<br>Enter code value 'TP' to satisfy X12 syntax requirements.<br>[8-03] Shipment Method of Payment Code (DG 2000)<br>Enter code value 'TP' to satisfy X12 syntax requirement.<br>[14-03] Shipment Method of Payment Code (DG 3000)<br>Enter code value 'TP' to satisfy X12 syntax requirements. | | |
| | | | TP | Third Party Pay<br>[2-03] Third Party Pay<br>[8-03] Third Party Pay<br>[14-03] 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)<br>[2-04] Shipment Unit Transportation Control Number (TCN) (DG 1000)<br>Enter the Transportation Control Number (TCN) for the shipment unit. This TCN also appears in the HL '1' loop (DG 1001) in the N9 segment (HL loop position 100). See DTR Table M-2, M-3, or M-8.<br>[8-04] Shipment Unit TCN (DG 2000)<br>Enter the SEAVAN/RORO/463L TCN.<br>[14-04] Shipment Unit TCN (DG 3000)<br>Enter the TCN for the shipment unit. This TCN also appears in the HL '3' loop (DG 3001) in the N9 segment (HL loop position 100). See DTR Table M-7. | | |
| **X** | **BX05** | **140** | **Standard Carrier Alpha Code** | **O** | **ID 2/4** |
| | | | Standard Carrier Alpha Code | | |
| **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. | | |
| **X** | **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>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| **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. | | |
| **X** | **BX09** | **195** | **Capacity Load Code** | **O** | **ID 1/1** |

| | | | | | |
|---|---|---|---|---|---|
| | | | Code specifying type of capacity load<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| **X** | **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>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| **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] Type of TCMD (Doc ID) (DG 1000)<br>Based on the values from position 1 and 3 of the TCMD DIC, use one of the following code values:<br>SOURCE: DTR Table M-2<br>[8-14] Type of TCMD (Doc ID) (DG 2000)<br>See DTR Table M-4. Based on the values from position 1 and 3 of the TCMD DIC, use one of the following code values:<br>[14-14] Type of TCMD (Doc ID) (DG 3000)<br>See DTR Table M-7. Based on the values from position 1 and 3 of the TCMD DIC, use one of the following code values: | | |

| | |
|---|---|
| R1 | Simulation of Single Shipment Less Release Units (U.S. Department of Defense)<br>[2-14] Simulation of Single Shipment Less Release Units (U.S. Department of Defense)<br>Use 'R1' to denote Less than Release Unit Shipments |
| R2 | Simulation of Consolidation of Vans, Trailers, or Pallets (U.S. Department of Defense)<br>[8-14] 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)<br>[14-14] Simulation of Consolidation of Packaging Containers (U.S. Department of Defense) |
| RQ | Simulation Single Shipment Release Unit (U.S. Department of Defense)<br>[2-14] Simulation Single Shipment Release Unit (U.S. Department of Defense) |
| T1 | Single Shipment Less Release Units (U.S. Department of Defense)<br>[2-14] Single Shipment Less Release Units (U.S. Department of Defense)<br>Use 'T1' to denote Less than Release Unit Shipments |
| T2 | Consolidation of Vans, Trailers, or Pallets (U.S. Department of Defense)<br>[8-14] Consolidation of Vans, Trailers, or Pallets (U.S. Department of Defense) |
| T3 | Consolidation of Packaging Containers (U.S. Department of Defense) |

| | |
|---|---|
| | [14-14] Consolidation of Packaging Containers (U.S. Department of Defense) |
| TQ | Single Shipment Release Unit (U.S. Department of Defense) |
| | [2-14] Single Shipment Release Unit (U.S. Department of Defense) |

**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:**
[3] N9 SEGMENT - Transportation Tracking Number (TTN) (DG 1000)
CHANGE NOTE: Segment added per DM 887.
SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.
[9] N9 SEGMENT - Transportation Tracking Number (TTN) (DG 2000)
CHANGE NOTE: Segment added per DM 887.
SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.
[15] N9 SEGMENT - Transportation Tracking Number (TTN) (DG 3000)
CHANGE NOTE: Segment added per DM 887.
SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **N901** | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification<br>[3-01] Transportation Tracking Number (TTN) Qualifier (DG 1000)<br>[9-01] Transportation Tracking Number (TTN) Qualifier (DG 2000)<br>[15-01] Transportation Tracking Number (TTN) Qualifier (DG 3000)<br>18 Plan Number<br>The unique identification number assigned for a defined contribution plan<br>[3-01] Plan Number<br>Use '18' to denote Transportation Tracking Number (TTN)<br>[9-01] Plan Number<br>Use '18' to denote Transportation Tracking Number (TTN)<br>[15-01] Plan Number<br>Use '18' to denote Transportation Tracking Number (TTN) | **M** | **ID 2/3** |
| **>>** | **N902** | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier<br>[3-02] Transportation Tracking Number (TTN) (DG 1000)<br>[9-02] Transportation Tracking Number (TTN) (DG 2000)<br>[15-02] Transportation Tracking Number (TTN) (DG 3000) | **X** | **AN 1/30** |
| **X** | **N903** | **369** | **Free-form Description**<br>Free-form descriptive text | **X** | **AN 1/45** |
| **X** | **N904** | **373** | **Date**<br>Date expressed as CCYYMMDD | **O** | **DT 8/8** |
| **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 | | |
| | | | 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 | | |
| | | | 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 | | |
| | | | 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:** **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:** [4] C3 SEGMENT - Currency Code (DG 1000)
SEGMENT CONDITION: This segment indicates the currency used for the TCMD. The segment is not required, and will not be used, when currency is in U.S. Dollars.
[10] C3 SEGMENT - Currency Code (DG 2000)
SEGMENT CONDITION: This segment indicates the currency used for the TCMD. The segment is not required, and will not be used, when currency is in U. S. Dollars.
[16] C3 SEGMENT - Currency Code (DG 3000)
SEGMENT CONDITION: This segment indicates the currency used for the TCMD. 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>[4-01] Currency Code (DG 1000)<br>Data element C301 indicates a particular country's/region's currency used for all items on the TCMD. (For example, the code value for EURO dollars is 'EUR'.) Other appropriate currency code values from the ISO 4217 table may be found on the web at:<br><br>http://www.iso.org/iso/en/prods-services/popstds/currencycodeslist.html.<br>SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute<br>[10-01] Currency Code (DG 2000)<br>Data element C301 indicates a particular country's/region's currency used for all items on the TCMD. (For example, the code value for EURO dollars is 'EUR'.) Other appropriate currency code values from the ISO 4217 table may be found on the web at:<br><br>http://www.iso.org/iso/en/prods-services/popstds/currencycodeslist.html.<br>SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute<br>[16-01] Currency Code (DG 3000)<br>Data element C301 indicates a particular country's/region's currency used for all items on the TCMD. (For example, the code value for EURO dollars is 'EUR'.) Other appropriate currency code values from the ISO 4217 table may be found on the web at:<br><br>http://www.iso.org/iso/en/prods-services/popstds/currencycodeslist.html.<br>SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American | **M ID 3/3** |

| | | | | | |
|---|---|---|---|---|---|
| | | | National Standards Institute | | |
| **X** | **C302** | **280** | **Exchange Rate** | **O** | **R 4/10** |
| | | | Value to be used as a multiplier conversion factor to convert monetary value from one currency to another | | |
| **X** | **C303** | **100** | **Currency Code** | **O** | **ID 3/3** |
| | | | Code (Standard ISO) for country in whose currency the charges are specified | | |
| **X** | **C304** | **100** | **Currency Code** | **O** | **ID 3/3** |
| | | | Code (Standard ISO) for country in whose currency the charges are specified | | |

**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:**
[5] PER SEGMENT - Shipper (SH) Contact Information (DG 1000)
Segment added per DM 1010
SEGMENT CONDITION: Complete this segment if shipper primary point of contact information is available
[11] PER SEGMENT - Shipper (SH) Contact Information (DG 2000)
Segment added per DM 1010
SEGMENT CONDITION: Complete this segment if shipper primary point of contact information is available
[18] PER SEGMENT - Shipper (SH) Contact Information (DG 3000)
Segment added per DM 1010
SEGMENT CONDITION: Complete this segment if shipper primary point of contact information is available

**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 | | | |
| | | | [5-01] Shipper Contact Qualifier (DG 1000)<br>[11-01] Shipper Contact Qualifier (DG 2000)<br>[18-01] Shipper Contact Qualifier (DG 3000) | | | |
| | | | SH | Shipper Contact | | |
| | | | | [5-01] Shipper Contact<br>[11-01] Shipper Contact<br>[18-01] Shipper Contact | | |
| >> | **PER02** | **93** | **Name** | | **O** | **AN 1/60** |
| | | | Free-form name | | | |
| | | | [5-02] Shipper Contact Name (DG 1000)<br>[11-02] Shipper Contact Name (DG 2000)<br>[18-02] Shipper Contact Name (DG 3000) | | | |
| | **PER03** | **365** | **Communication Number Qualifier** | | **X** | **ID 2/2** |
| | | | Code identifying the type of communication number | | | |
| | | | [5-03] Phone Number Qualifier (DG 1000)<br>[5-03] E-mail Address Qualifier (DG 1000)<br>[11-03] Phone Number Qualifier (DG 2000)<br>[11-03] E-mail Address Qualifier (DG 2000)<br>[18-03] Phone Number Qualifier (DG 3000)<br>[18-03] E-mail Address Qualifier (DG 3000) | | | |
| | | | EM | Electronic Mail | | |
| | | | | [5-03] Electronic Mail<br>[11-03] Electronic Mail<br>[18-03] Electronic Mail | | |
| | | | TE | Telephone | | |
| | | | | [5-03] Telephone<br>[11-03] Telephone<br>[18-03] Telephone | | |

| | | | | | |
|---|---|---|---|---|---|
| | **PER04** | **364** | **Communication Number**<br>Complete communications number including country or area code when applicable<br>[5-04] Shipper Phone Number (DG 1000)<br>[11-04] Shipper Phone Number (DG 2000)<br>[18-04] Shipper Phone Number (DG 3000) | **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** |
| | **PER06** | **364** | **Communication Number**<br>Complete communications number including country or area code when applicable<br>[5-06] Shipper E-mail Address (DG 1000)<br>[11-06] Shipper E-mail Address (DG 2000)<br>[18-06] Shipper E-mail Address (DG 3000) | **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:** **R4** **Port or Terminal**
**Position:** 180
**Loop:**
**Level:** Heading
**Usage:** Optional (Must Use)
**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:** [6] R4 SEGMENT - POE Identification (DG 1000)
[7] R4 SEGMENT - POD Identification (DG 1000)
[12] R4 SEGMENT - POE Identification (DG 2000)
[13] R4 SEGMENT - POD Identification (DG 2000)
[17] R4 SEGMENT - POE Identification (DG 3000)
[19] R4 SEGMENT - POD Identification (DG 3000)

**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>[6-01] Event Qualifier (DG 1000)<br>CHANGE NOTE: Element name changed per DM 1025.<br>[7-01] Event Qualifier (DG 1000)<br>CHANGE NOTE: Element name changed per DM 1025.<br>[12-01] Event Qualifier (DG 2000)<br>CHANGE NOTE: Element name changed per DM 1025.<br>[13-01] Event Qualifier (DG 2000)<br>CHANGE NOTE: Element name changed per DM 1025.<br>[17-01] Event Qualifier (DG 3000)<br>CHANGE NOTE: Element name changed per DM 1025.<br>[19-01] Event Qualifier (DG 3000)<br>CHANGE NOTE: Element name changed per DM 1025.<br>D Port of Discharge (Operational)<br>Port at which cargo is unloaded from vessel<br>[7-01] Port of Discharge (Operational)<br>[13-01] Port of Discharge (Operational)<br>[19-01] Port of Discharge (Operational)<br>L Port of Loading (Operational)<br>Port at which cargo is loaded on vessel<br>[6-01] Port of Loading (Operational)<br>Use 'L' to denote POE Code<br>[12-01] Port of Loading (Operational)<br>Use 'L' to denote POE Code<br>[17-01] Port of Loading (Operational)<br>Use 'L' to denote POE Code | **M ID 1/1** |
| >> | **R402** | **309** | **Location Qualifier**<br>Code identifying type of location<br>[6-02] Mode Qualifier (DG 1000)<br>CHANGE NOTE: Element name changed per DM 1025.<br>[7-02] Mode Qualifier (DG 1000)<br>CHANGE NOTE: Replace code value 'ZZ' with 'IA' per DM 847.<br>CHANGE NOTE: Element name changed per DM 1025.<br>[12-02] Mode Qualifier (DG 2000)<br>CHANGE NOTE: Code value 'IA' replaced 'ZZ' per DM 838.<br>CHANGE NOTE: Element name changed per DM 1025.<br>[13-02] Mode Qualifier (DG 2000) | **X ID 1/2** |

CHANGE NOTE: Replace code value 'ZZ' with 'IA' per DM 847.
CHANGE NOTE: Element name changed per DM 1025.
[17-02] Mode Qualifier (DG 3000)
CHANGE NOTE: Code value 'IA' replaced 'ZZ' per DM 838.
CHANGE NOTE: Element name changed per DM 1025.
[19-02] Mode Qualifier (DG 3000)
CHANGE NOTE: Code value 'ZZ' replaced with 'IA' per DM 847.
CHANGE NOTE: Element name changed per DM 1025.

| | |
|---|---|
| IA | International Air Transport Association (IATA) Location Qualifier<br>[6-02] International Air Transport Association (IATA) Location Qualifier<br>Use 'IA' to denote AerialPortCode<br>CHANGE NOTE: Definition changed per DM 1025.<br>[7-02] International Air Transport Association (IATA) Location Qualifier<br>Use 'IA' to denote AerialPortCode<br>CHANGE NOTE: Definition changed per DM 1025.<br>[12-02] International Air Transport Association (IATA) Location Qualifier<br>Use 'IA' to denote AerialPortCode<br>CHANGE NOTE: Definition changed per DM 1025.<br>[13-02] International Air Transport Association (IATA) Location Qualifier<br>Use 'IA' to denote AerialPortCode<br>CHANGE NOTE: Definition changed per DM 1025.<br>[17-02] International Air Transport Association (IATA) Location Qualifier<br>Use 'IA' to denote AerialPortCode<br>CHANGE NOTE: Definition changed per DM 1025.<br>[19-02] International Air Transport Association (IATA) Location Qualifier<br>Use 'IA' to denote AerialPortCode<br>CHANGE NOTE: Definition changed per DM 1025. |
| VS | Vessel Stowage Location<br>[6-02] Vessel Stowage Location<br>Use 'VS' to denote WaterPortCode<br>CHANGE NOTE: Definition changed per DM 1025.<br>[7-02] Vessel Stowage Location<br>Use 'VS' to denote WaterPortCode<br>CHANGE NOTE: Definition changed per DM 1025.<br>[12-02] Vessel Stowage Location<br>Use 'VS' to denote WaterPortCode<br>CHANGE NOTE: Definition changed per DM 1025.<br>[13-02] Vessel Stowage Location<br>Use 'VS' to denote WaterPortCode<br>CHANGE NOTE: Definition changed per DM 1025.<br>[17-02] Vessel Stowage Location<br>Use 'VS' to denote WaterPortCode<br>CHANGE NOTE: Definition changed per DM 1025.<br>[19-02] Vessel Stowage Location<br>Use 'VS' to denote WaterPortCode<br>CHANGE NOTE: Definition changed per DM 1025. |

| | | | | | |
|---|---|---|---|---|---|
| >> | **R403** | **310** | **Location Identifier**<br>Code which identifies a specific location | **X** | **AN 1/30** |

[6-03] Location Code (DG 1000)
Use three-position port code. See DTR Table M-4, M-5, or M-6.
CHANGE NOTE: Element name changed per DM 1025.
[7-03] Location Code (DG 1000)
Use three-position port code. See DTR Table M-4, M-5, or M-6.
CHANGE NOTE: Element name changed per DM 1025.

| | | | | | |
|---|---|---|---|---|---|
| | | | [12-03] Location Code (DG 2000)<br>Use three-position port code. See DTR Table M-4, M-5, or M-6.<br>CHANGE NOTE: Element name changed per DM 1025.<br>[13-03] Location Code (DG 2000)<br>Use three-position port code. See DTR Table M-4, M-5, or M-6.<br>CHANGE NOTE: Element name changed per DM 1025.<br>[17-03] Location Code (DG 3000)<br>Use three-position port code. See DTR Table M-7.<br>CHANGE NOTE: Element name changed per DM 1025.<br>[19-03] Location Code (DG 3000)<br>Use three-position port code. See DTR Table M-7.<br>CHANGE NOTE: Element name changed per DM 1025. | | |
| **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:** **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:**
[20] HL SEGMENT - Single Shipment Unit (T_0/1/4) (DG 1001) Repeat this loop for every single shipment unit TCN (T_0/1/4).

This loop may be used in combination with HL loops describing consolidations and containers (HL03 code values = '3 and '2') (DG 3001 and DG 2001), and with HL loops describing TCN trailer data.

References to T_0 data apply to T_1 and T_4 data throughout the description of this loop.
[50] HL SEGMENT - SEAVAN/RORO/463L Shipment Units (T_2) (DG 2001) For capped 463L pallets this loop will be a child loop of the capped pallet loop only for the situation where the pallet and its load are documented as a shipment unit and the complete, single load is marked with an MSL.
LOOP CONDITION: This HL loop is required when passing header and trailer data associated with a SEAVAN/RORO/463L shipment unit.
[82] HL SEGMENT - Other Consolidations (Not SEAVAN/RORO/463L) (T_3) (DG 3001)
LOOP CONDITION: This HL loop is required when passing header and trailer data associated with a multi-shipment unit consolidation other than a SEAVAN/RORO/463L.
[106] HL SEGMENT - Cargo Attribute/Dimension Information (T_5) (DG 5001)
CHANGE NOTE: Change dimension 72" to 84" per DM 889
LOOP CONDITION: This HL loop is required when describing attribute/dimension information (each T_5) for all Government vehicles, trailers, tracked/wheeled guns, aircraft, and outsize general cargo. Repeat this loop for each Government vehicle, trailer, tracked/wheeled gun, or aircraft. Also repeat this loop for outsize general cargo that exceeds 84 inches in any one of the dimensions.
[117] HL SEGMENT - NSN, Nomenclature, and HAZMAT Information (T_6) (DG 6001)
LOOP CONDITION: This HL loop is required when describing entries for an item NSN and a non-hazardous item nomenclature for shipments where the weight of all like items (single NSN) comprises 51 percent or more of the total shipment weight. The loop is also required for shipments when describing HAZMAT codes, ammunition round count, and IMO classification. For other than HAZMAT material, do not use this loop to describe personal effects (personal property), material for sale in stores, and material which is not

covered by NSNs. It includes both T_6 and T_9 information. Repeat this loop as required.
[137] HL SEGMENT - NEW, Ammunition, Explosives, or Lot Information (T_7) (DG 7001)
LOOP CONDITION: This HL loop is required when describing entries for NEW, ammunition, explosives, or lot information. If the shipment unit contains more than one lot, make a separate loop for each lot.
[140] HL SEGMENT - Personal Property (T_8) (DG 8001)
LOOP CONDITION: This HL loop is required when describing entries for household goods, baggage, or POV.
[152] HL SEGMENT - General Miscellaneous Information (T_9) (DG 9013)
LOOP CONDITION: This HL loop is required when describing general miscellaneous information not otherwise detailed.
[169] HL SEGMENT - Seal Numbers and Applier of Replacement Seals (DG 9014)
LOOP CONDITION: Use this HL loop to identify original and replacement seal numbers and to identify the applier of replacement seals when passing header and trailer data associated with SEAVAN shipment units in data groups 1001/2001/3001 as applicable. Repeat this loop for each different applier of replacement seals.
[172] HL SEGMENT - 463L Capped Pallet Header Information (DG 9801) Use this 463L pallet header HL Loop to identify a loaded and fully documented (capped) 463L pallet that will be delivered to an aerial port.

Capped 463L pallets that have not been documented as a manifested load (with a TAB record) will use the SEAVAN/RORO/463L Shipment Units HL loop (HL03=2) to identify the 463L pallet as a shipment unit (marked with an MSL) on the truck manifest.
LOOP CONDITION: Use this loop to document pallet header information for a capped 463L pallet.

**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** |

[20-01] Hierarchical (Segment) ID Number (DG 1001)
Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)
[50-01] Hierarchical (Segment) ID Number (DG 2001)
Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)
[82-01] Hierarchical (Segment) ID Number (DG 3001)
Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)
[106-01] Hierarchical (Segment) ID Number (DG 5001)
Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)
[117-01] Hierarchical (Segment) ID Number (DG 6001)
Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)
[137-01] Hierarchical (Segment) ID Number (DG 7001)
Enter the next available HL loop sequential number to uniquely identify each

occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)
[140-01] Hierarchical (Segment) ID Number (DG 8001)
Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)
[152-01] Hierarchical (Segment) ID Number (DG 9013)
Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)
[169-01] Hierarchical ID Number (DG 9014)
Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.)
[172-01] Hierarchical ID Number (DG 9801)
Enter the next available HL loop sequential number to describe each pallet.

| | | | | | |
|---|---|---|---|---|---|
| >> | **HL02** | **734** | **Hierarchical Parent ID Number** | **O** | **AN 1/12** |

Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to
[20-02] Hierarchical Parent ID Number (DG 1001)
ELEMENT CONDITION: For consolidations, use this element to link this DG 1001 loop with its parent DG 2001 or DG 3001 loop. Establish the link by copying the Hierarchical Segment ID Number (HL01) of the parent HL loop here.
[50-02] Hierarchical Parent ID Number (DG 2001)
Enter parent loop ID only if this is a child loop for a 463L capped pallet (HL03=24) that is marked with an MSL as a consolidated shipment unit. Use this data element to link this DG 2001 loop as a nested child within a parent container (DG 2001) or a unitized load (DG 3001). Otherwise, do not use this data element.
[82-02] Hierarchical Parent ID Number (DG 3001)
ELEMENT CONDITION: Enter parent loop ID only if this is the child of larger SEAVAN/RORO/463L consolidation (HL03=2) or is the child of a nested unitized load (HL03=3). Otherwise, do not use this data element.
[106-02] Hierarchical Parent ID Number (DG 5001)
Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001, DG 2001, or DG 3001 parent HL loop here.
[117-02] Hierarchical Parent ID Number (DG 6001)
Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001 parent HL loop here.
[137-02] Hierarchical Parent ID Number (DG 7001)
Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001 parent HL loop here.
[140-02] Hierarchical Parent ID Number (DG 8001)
Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001 parent HL loop here.
[152-02] Hierarchical Parent ID Number (DG 9013)
Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001, DG 2001, or DG 3001 parent HL loop here.
[169-02] Hierarchical Parent ID Number (DG 9014)
Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001, DG 2001, or DG

3001 parent HL loop here.

| | | | | | |
|---|---|---|---|---|---|
| **M** | **HL03** | **735** | **Hierarchical Level Code** | **M** | **ID 1/2** |

Code defining the characteristic of a level in a hierarchical structure

[20-03] Hierarchical Level Code (DG 1001)
Use code value '1' to indicate that the HL loop contains information from DTR T_0/1/4 records for a shipment unit corresponding to DG 1001, along with related trailer data corresponding to DG 1014.
[50-03] Hierarchical Level Code (DG 2001)
Use code value '2' to indicate that the HL loop contains information from DTR T_2 records for a shipment using SEAVAN/RORO/463L corresponding to DG 2001, along with related trailer data corresponding to DG 2014 and DG 2015.
[82-03] Hierarchical Level Code (DG 3001)
Use code value '3' to indicate that the HL loop contains information from DTR T_3 records for a multi-shipment unit consolidation corresponding to DG 3001, along with related trailer data corresponding to DG 3014.
[106-03] Hierarchical Level Code (DG 5001)
Use code value '5' to indicate that the HL loop contains information from DTR T_5 records corresponding to DG 5001, along with related trailer data corresponding to DG 5013.
[117-03] Hierarchical Level Code (DG 6001)
Use code value '6' to indicate that the HL loop contains information from DTR T_6 records corresponding to DG 6001, along with related trailer data corresponding to DG 6016.
[137-03] Hierarchical Level Code (DG 7001)
Use code value '7' to indicate that the HL loop contains information from DTR T_7 records corresponding to DG 7001.
[140-03] Hierarchical Level Code (DG 8001)
Use code value '8' to indicate that the HL loop contains information from DTR T_8 records corresponding to DG 8001, along with related trailer data corresponding to DG 8013 and DG 8017.
[152-03] Hierarchical Level Code (DG 9013)
Use code value '9' to indicate that the HL loop contains information from DTR T_9 records (trailer data) corresponding to DG 9013.
[169-03] Hierarchical Level Code (DG 9014)
Use code value 'ZZ' to indicate that the HL loop identifies seal numbers and the applier of a replacement seal number (from DTR T_9 records) for a SEAVAN shipment unit corresponding to M7 segment of DG 9014
[172-03] Hierarchical Level Code (DG 9801)
Use code value '24' to indicate hierarchical level representing pallet header information.

| | |
|---|---|
| 1 | Service/Billing Provider<br>Code identifying the telecommunications company providing service/billing<br>[20-03] Service/Billing Provider |
| 2 | Billing Arrangement<br>Code identifying a specified billing arrangement<br>[50-03] Billing Arrangement |
| 3 | Sub-Billing Arrangement<br>Code identifying a more detailed billing arrangement<br>[82-03] Sub-Billing Arrangement |
| 5 | Category<br>Code identifying the sub-division of the group<br>[106-03] Category |
| 6 | Sub-Category<br>Code identifying a further breakdown of the category<br>[117-03] Sub-Category |
| 7 | Type<br>Code identifying a further breakdown of the sub-category |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | [137-03] Type | | |
| | | | 8 | Charge Detail | | |
| | | | | Code identifying the lowest level of charges within a billing arrangement | | |
| | | | | [140-03] Charge Detail | | |
| | | | 9 | Line Detail | | |
| | | | | Code identifying the supporting detail associated with the charge or group | | |
| | | | | [152-03] Line Detail | | |
| | | | 24 | Supergroup | | |
| | | | | [172-03] Supergroup | | |
| | | | ZZ | Mutually Defined | | |
| | | | | [169-03] Mutually Defined | | |
| **X** | **HL04** | **736** | **Hierarchical Child Code** | | **O** | **ID 1/1** |
| | | | 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. | | | |

**Segment:** **N7** **Equipment Details**
**Position:** 020
**Loop:** HL Mandatory
**Level:** Detail
**Usage:** Optional (Must Use)
**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:**
[21] N7 SEGMENT - Empty SEAVAN Details (DG 1001)
SEGMENT CONDITION: Use for empty SEAVAN only.
[51] N7 SEGMENT - Container Information (DG 2001)
SEGMENT CONDITION: Use this segment only for SEAVAN.
[83] N7 SEGMENT - Other Consolidation Identification Number (DG 3014)
SEGMENT CONDITION: Use this segment for other consolidation shipments.
[173] N7 SEGMENT - Pallet Details (DG 9801)

**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>[21-01] Empty SEAVAN Ownership Code (DG 1001)<br>For SEAVAN enter the ownership code which is the first four positions of the ISO container ID number. If none, enter the value 'XXXX' and list the clear text name of the SEAVAN owner in the DG 9013 NTE segment (HL loop position 140).<br>SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association<br>[51-01] SEAVAN Ownership Code (DG 2001)<br>For SEAVAN enter the ownership code which is the first four positions of the ISO container ID number. If none, enter the value 'XXXX' and list the clear text name of the SEAVAN owner in the DG 9013 NTE segment (HL loop position 140).<br>SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association<br>[173-01] Module Type (DG 9801)<br>SOURCE: Table Management Distribution System (TMDS) data values as indicated (DTR,Part II, Appendix DD) | **O AN 1/4** |

| | |
|---|---|
| A | New Code Added by IC |
| | [173-01] Non-unitized, Rolling Stock |
| B | New Code Added by IC |
| | [173-01] Pallet up to 76 inches |
| C | New Code Added by IC |
| | [173-01] Containerized, skidded cargo |
| D | New Code Added by IC |
| | [173-01] Pallet for 727/707/DC-9/L-100/DC-8 stretched model |
| E | New Code Added by IC |
| | [173-01] Pallet up to 60 inches |
| F | New Code Added by IC |
| | [173-01] Pallet for DC-10 (2L-12R), MD-11 (2-14) |
| G | New Code Added by IC |

| | | |
|---|---|---|
| | | [173-01] Pallet with a propeller |
| | H | New Code Added by IC |
| | | [173-01] C-130 Ramp pallet |
| | I | New Code Added by IC |
| | | [173-01] ISU Pallet |
| | J | New Code Added by IC |
| | | [173-01] Pallet for C130 (6" aisle way) |
| | K | New Code Added by IC |
| | | [173-01] KC-135 |
| | L | New Code Added by IC |
| | | [173-01] Pallet for C-5, L-100, C-130, B-747 (upstairs), C-141, C-17 |
| | M | New Code Added by IC |
| | | [173-01] C-5 or C-17 only |
| | N | New Code Added by IC |
| | | [173-01] KC-10 (PP 2-10 L + R) |
| | P | New Code Added by IC |
| | | [173-01] KC-10 (position 1) |

| | | | | | |
|---|---|---|---|---|---|
| **M** | **N702** | **207** | **Equipment Number** | **M** | **AN 1/10** |
| | | | Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)<br>[21-02] Empty SEAVAN Container Serial Number (DG 1001)<br>Enter the serial number marked on the container by the van owner. Do not include the van owner code (first 4 characters of the container ID number) or the check digit (11th character of the ID number). Include alphabetic characters but exclude special characters such as dashes, slashes, or other symbols.<br>[51-02] SEAVAN Container Serial Number (DG 2001)<br>Enter the serial number marked on the container by the van owner. Do not include the van owner code (first 4 characters of the container ID number) or the check digit (11th character of the ID number). Include alphabetic characters but exclude special characters such as dashes, slashes, or other symbols.<br>[83-02] Other Consolidation Identification Number (DG 3014)<br>Enter the identification number marked on the consolidation.<br>[173-02] Pallet ID (DG 9801)<br>Enter the pallet ID assigned by the loading activity.<br><br>In sequenced order:<br>[DTR TAB 21/23]<br>[DTR TAB 4/5]<br>[TAB 67/67] | | |
| **X** | **N703** | **81** | **Weight** | **X** | **R 1/10** |
| | | | Numeric value of weight | | |
| **X** | **N704** | **187** | **Weight Qualifier** | **X** | **ID 1/2** |
| | | | Code defining the type of weight<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| **X** | **N705** | **167** | **Tare Weight** | **X** | **N0 3/8** |
| | | | Weight of the equipment | | |
| **X** | **N706** | **232** | **Weight Allowance** | **O** | **N0 2/6** |
| | | | Allowance made for increased weight due to such factors as snow | | |
| **X** | **N707** | **205** | **Dunnage** | **O** | **N0 1/6** |
| | | | Weight of material used to protect lading (even bracings, false floors, etc.) | | |
| **>>** | **N708** | **183** | **Volume** | **X** | **R 1/8** |
| | | | Value of volumetric measure<br>[51-08] Cubic Capacity of SEAVAN (DG 2001)<br>Enter using whole cubic feet. Use only for SEAVAN shipments. | | |

| | | | | | |
|---|---|---|---|---|---|
| >> | **N709** | **184** | **Volume Unit Qualifier**<br>Code identifying the volume unit<br>[51-09] Cubic Capacity of SEAVAN Qualifier (DG 2001)<br>E Cubic Feet<br>[51-09] 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** |
| **X** | **N713** | **319** | **Temperature Control**<br>Free-form abbreviation of temperature range or flash-point temperature | **O** | **AN 3/6** |
| | **N714** | **219** | **Position**<br>Relative position of shipment in car, trailer, or container (mutually defined)<br>[173-14] Pallet Serial Number (DG 9801)<br>Enter the serial number assigned by the pallet loading activity if other than an aerial port.<br><br>This is not the number stamped on Pallet Data Plate. | **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>[21-15] Empty SEAVAN Actual Length (DG 1001)<br>For empty SEAVAN enter the actual van length in feet. Left-fill with zeros as required to satisfy X12-mandated field size of four numeric digits.<br>[51-15] SEAVAN Length (DG 2001)<br>Enter the length in feet. | **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** |
| | **N718** | **761** | **Equipment Number Check Digit**<br>Number which designates the check digit applied to a piece of equipment<br>[21-18] Empty SEAVAN Container Number Check Digit (DG 1001)<br>As applicable, enter the check digit marked on the container. The check digit is a number separated from the container number by a dash, space, or slash.<br>[51-18] SEAVAN Container Number Check Digit (DG 2001)<br>The check digit is a number separated from the container number by a dash, space, or slash.<br>ELEMENT CONDITION: As applicable, enter the check digit marked on the container. | **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** | **O** | **R 1/8** |

| | | | | | |
|---|---|---|---|---|---|
| | | | Shorter measurement of the two horizontal dimensions measured with the object in the upright position | | |
| **X** | **N722** | **24** | **Equipment Type**<br>Code identifying equipment type | **O** | **ID 4/4** |
| >> | **N723** | **140** | **Standard Carrier Alpha Code**<br>Standard Carrier Alpha Code<br>[51-23] Ocean Carrier Code (DG 2001)<br>For SEAVAN(s).<br>SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc. | **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:** **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:** [170] M7 SEGMENT - SEAVAN Seal Number and Replacement Seal Number (DG 9014)
SEGMENT CONDITION: Use this segment for SEAVAN shipments. Repeat the HL loop and this segment for each seal number. To link the seal number with the applicable applier, only one M7 segment may be used per HL loop.

**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>[170-01] SEAVAN Seal Number and Replacement Seal Number (DG 9014) Enter seal number. Use for original seal. Also, use when original seal is removed and replaced with a new seal. | **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:** **N5** **Equipment Ordered**
**Position:** 050
**Loop:** HL Mandatory
**Level:** Detail
**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:** [52] N5 SEGMENT - Length of SEAVAN Ordered (DG 2001)
SEGMENT CONDITION: Do not use for empty vans.

**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>[52-01] Length of SEAVAN Ordered (DG 2001)<br>Enter the length of the SEAVAN ordered, in feet. | **O** | **N0 4/5** |
| **X** | **N502** | **233** | **Weight Capacity**<br>Capacity of car ordered (stated in 1000 pound units or 1000 kilogram units) | **O** | **N0 2/3** |
| **X** | **N503** | **203** | **Cubic Capacity**<br>Capacity of car ordered (cubic feet unless otherwise specified) | **O** | **N0 2/4** |
| **X** | **N504** | **301** | **Car Type Code**<br>Code specifying type of rail car or intermodal equipment type and its general characteristics | **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:** 060
**Loop:** HL Mandatory
**Level:** Detail
**Usage:** Optional (Must Use)
**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:**

[22] REF SEGMENT - Empty Container Indicator (DG 1001)
SEGMENT CONDITION: Use to identify an empty SEAVAN.
[23] REF SEGMENT - DoD Leased/Controlled Container Indicator (DG 1001)
SEGMENT CONDITION: Use segment to indicate a DoD Leased/Controlled Container.
[24] REF SEGMENT - Type of Shipment Code (DG 1001)
[25] REF SEGMENT - POE/POD Identification (DG 1001)
SEGMENT CONDITION: Use this segment for water or air shipment of single shipment units to a port of Embarkation (POE). Do not use when shipping to a CCP.
[26] REF SEGMENT - Van Point of Origin ZIP Code (DG 1014)
SEGMENT CONDITION: Use for SEAVAN shipments.
[53] REF SEGMENT - Type of Shipment Code (DG 2001)
[54] REF SEGMENT - DoD Leased/Controlled Container Indicator (DG 2001)
SEGMENT CONDITION: Use segment to indicate a DoD Leased/Controlled Container.
[55] REF SEGMENT - Container Loading Information (DG 2001)
Repeat the segment for each load situation (i.e., when the initial, partial load is done by one activity with loading completed by another activity).
SEGMENT CONDITION: Only used when the T_2 is for a container, not used for 463L pallet shipments
Identifies the load configuration within the container and the activity loading it.
[84] REF SEGMENT - Type of Shipment Code (DG 3001)
[153] REF SEGMENT - Classified Shipment Container Number (DG 9013)
SEGMENT CONDITION: Use for Classified Shipment Container Number. Repeat segment for each different container number.
[174] REF SEGMENT - Air POE Identification (DG 9801)
SEGMENT CONDITION: Use this segment for water or air shipment of a capped pallet to a POE.
[175] REF SEGMENT - Air POD Identification (DG 9801)
SEGMENT CONDITION: Use this segment for water or air shipment of a capped pallet to a POD.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| **M** | **REF01** | **128** | **Reference Identification Qualifier**<br>Code qualifying the Reference Identification<br>[22-01] Empty Container Indicator Qualifier (DG 1001)<br>[23-01] DoD Leased/Controlled Container Indicator Qualifier (DG 1001)<br>[24-01] Type of Shipment Qualifier (DG 1001)<br>[25-01] POE Qualifier Code (DG 1001)<br>[26-01] Van Point of Origin ZIP Code Qualifier (DG 1014)<br>[53-01] Type of Shipment Qualifier (DG 2001)<br>[54-01] DoD Leased/Controlled Container Indicator Qualifier (DG 2001)<br>[55-01] Container Loading Information Qualifier (DG 2001)<br>CHANGE NOTE: Replace code value 'BE' with 'IL' per DM 847.<br>[84-01] Type of Shipment Code Qualifier (DG 3001)<br>[153-01] Classified Shipment Container Number Qualifier (DG 9013)<br>[174-01] POE Qualifier Code (DG 9801)<br>[175-01] POD Qualifier Code (DG 9801) | **M ID 2/3** |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 4B | Shipment Origin Code<br>[26-01] Shipment Origin Code<br>Use '4B' to denote Van Point of Origin ZIP Code | | |
| | | | 55 | Sequence Number<br>[25-01] Sequence Number<br>[174-01] Sequence Number<br>Use '55' to denote Port of Embarkation | | |
| | | | 6W | Sequence Number<br>[175-01] Sequence Number<br>Use '6W' to denote Port of Debarkation | | |
| | | | 98 | Container/Packaging Specification Number<br>A numeric or alphanumeric identification assigned to a unique packaging/container configuration<br>[153-01] Container/Packaging Specification Number<br>Use '98' to denote Classified Container Number | | |
| | | | BE | Business Activity<br>[22-01] Business Activity<br>Use 'BE' to denote Empty Container Indicator | | |
| | | | IL | Internal Order Number<br>[55-01] Internal Order Number<br>Use 'IL' to denote Container Loading Information | | |
| | | | OP | Original Purchase Order<br>[23-01] Original Purchase Order<br>Use 'OP' to denote DoD Leased/Controlled Container Indicator<br>[54-01] Original Purchase Order<br>Use 'OP' to denote DoD Leased/Controlled Container Indicator | | |
| | | | ZZ | Mutually Defined<br>[24-01] Mutually Defined<br>Use 'ZZ' to denote Type of Shipment Information<br>[53-01] Mutually Defined<br>Use 'ZZ' to denote Type of Shipment<br>[84-01] Mutually Defined<br>Use 'ZZ' to denote Type of Shipment Information | | |
| >> | **REF02** | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier<br>[22-02] Empty Container Indicator (DG 1001)<br>Enter value 'EMPTY' to indicate an empty container.<br>[23-02] DoD Leased/Controlled Container Indicator (DG 1001)<br>Enter value 'LEASED' to denote DoD Leased/Controlled Container.<br>[24-02] Type of Shipment Code (DG 1001)<br>This is the second position of the TCMD Document Identifier code as defined by the 'Document Id 2nd Position Code' table found in USTranscom Reference Data Management (TRDM), mirrored at http://www.transcom.mil/dteb/files/refdata/V_DOC_ID_2_DOM.htm.<br><br>Reference added per DM 1052.<br>SOURCE: DTR, Part II, Appendix DD<br>[25-02] POE Identifier Qualifier (DG 1001)<br>Enter value 'SEA' or value 'AIR' to denote Port Code Type.<br>[26-02] Van Point of Origin ZIP Code (DG 1014)<br>Enter Van's point of origin five-digit ZIP code with optional hyphen and ZIP + 4.<br>[53-02] Type of Shipment Code (DG 2001)<br>This is the second position of the TCMD Document Identifier code as defined by the 'Document Id 2nd Position Code' table found in USTranscom Reference Data Management (TRDM), mirrored at http://www.transcom.mil/dteb/files/refdata/V_DOC_ID_2_DOM.htm. | **X** | **AN 1/30** |

| | | | | | |
|---|---|---|---|---|---|
| | | | Reference added per DM 1052.<br>SOURCE: DTR, Part II, Appendix DD.<br>[54-02] DoD Leased/Controlled Container Indicator (DG 2001)<br>Enter value 'LEASED' to indicate a DoD Leased/Controlled Container.<br>[55-02] Container Loading Information (DG 2001)<br>Enter the following values as indicated:<br>'FULL' to denote a container loaded to its capacity<br>'NOT FULL - MIXED' to denote a container loaded to less than its capacity with military and commercial cargo commingled IAW the SDDC Container Agreement and Rate Guide.<br>'NOT FULL' to denote a container loaded to less than its capacity.<br>CHANGE NOTE: Length attribute changed to 4/16 per DM 762.<br>[84-02] Type of Shipment Code (DG 3001)<br>This is the second position of the TCMD Document Identifier code as defined by the 'Document Id 2nd Position Code' table found in USTranscom Reference Data Management (TRDM), mirrored at http://www.transcom.mil/dteb/files/refdata/V_DOC_ID_2_DOM.htm.<br><br>Reference added per DM 1052.<br>SOURCE: DTR, Part II, Appendix DD<br>[153-02] Classified Shipment Container Number (DG 9013)<br>Enter container number. For ISO containers (e.g., SEAVANs) enter all 11 characters of the container ID number (owner code, serial number, check digit).<br>[174-02] Air POE Identifier Qualifier (DG 9801)<br>Enter value 'AIR' to denote Port Code type.<br>[175-02] Air POD Identifier Qualifier (DG 9801)<br>Enter value 'AIR' to denote Port Code type. | | |
| >> | **REF03** | **352** | **Description** | **X** | **AN 1/80** |
| | | | A free-form description to clarify the related data elements and their content | | |
| | | | [25-03] POE Identifier (DG 1001)<br>Use three-position port code.<br>[55-03] Container Loading Activity (DG 2001)<br>Enter the applicable value as indicated from the following:<br><br>'CARRIER' to denote an Ocean Carrier<br>'CONTRACT CCP' to denote a Contract Shipment Consolidation facility.<br>'MIL SHIPPER' to denote a Military Shipping activity<br>'MIL TERMINAL' to denote a Military Terminal<br>'VENDOR' to denote a Commercial Vendor<br>[174-03] Air POE Code (DG 9801)<br>Use three-position port code.<br>[175-03] Air POD Code (DG 9801)<br>Use three-position port code. | | |
| | **REF04** | **C040** | **Reference Identifier** | **O** | |
| | | | To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier | | |
| | | | [25-04] POD Composite Element Header (DG 1001)<br>COMPOSITE CONDITION: Use this element for water or air shipment of a single shipment unit when planned for movement through a designated POD for the Consignee.<br>By placing code value '6W' (DE 128 unit qualifier) in the C04001, you are satisfying X12 syntax requirements for the composite data element.<br>CHANGE NOTE: Composite element added per DM 680. | | |
| **M** | **C04001** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
| | | | Code qualifying the Reference Identification | | |
| | | | [25-04-01] POD Qualifier Code (DG 1001)<br>By placing code value '6W' (DE 128 unit qualifier) in the C04001, you are satisfying X12 syntax requirements for the composite data element.<br>6W Sequence Number | | |

| | | | | | |
|---|---|---|---|---|---|
| | | | [25-04-01] Sequence Number<br>Use '6W' to denote Port of Debarkation | | |
| **M** | **C04002** | **127** | **Reference Identification**<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier<br>[25-04-02] POD Identifier Qualifier (DG 1001)<br>Use three-position port code. | **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:** **VC** **Motor Vehicle Control**
**Position:** 080
**Loop:** HL Mandatory
**Level:** Detail
**Usage:** Optional
**Max Use:** 24
**Purpose:** To define motor vehicle identification and logistics
**Syntax Notes:**
**Semantic Notes:** **1** VC05 is the automotive manufacturer route code.
**Comments:**
**Notes:** [107] VC SEGMENT - Serial Number (DG 5001)
SEGMENT CONDITION: Use for shipments of Government vehicles, trailers, tracked/wheeled guns, and aircraft.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **VC01** | **539** | **Vehicle Identification Number**<br>Unique identification number stamped on the vehicle by the manufacturer<br>[107-01] Serial Number (DG 5001)<br>Enter the Serial Number for each shipment unit. | **M** | **AN 1/25** |
| **X** | **VC02** | **836** | **Vehicle Deck Position Code**<br>Code to identify the specific position of a vehicle on multi-level equipment; when dealing with rail cars the front end will be defined as that end of the rail car which the vehicle faces<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 2/2** |
| **X** | **VC03** | **837** | **Vehicle Type Code**<br>Vehicle Type Code for freight rate and claims purposes<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/1** |
| **X** | **VC04** | **838** | **Dealer Code**<br>A code assigned by a manufacturer to identify their dealers | **O** | **AN 2/9** |
| **X** | **VC05** | **1** | **Route Code**<br>Mutually defined route code | **O** | **AN 1/13** |
| **X** | **VC06** | **839** | **Bay Location**<br>Location where the releasing agent placed the motor vehicle | **O** | **AN 1/6** |
| **X** | **VC07** | **833** | **Automotive Manufacturers Code**<br>Code (ARR) used to identify vehicle manufacturer | **O** | **ID 2/2** |
| **X** | **VC08** | **308** | **Damage Exception Indicator**<br>Code to indicate whether damage is being reported to a vehicle in this transaction set<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/1** |
| **X** | **VC09** | **835** | **Supplemental Inspection Code**<br>A code to indicate a supplemental inspection<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/1** |
| **X** | **VC10** | **583** | **Factory Car Order Number**<br>This number to be supplied by the shipper for Canadian customer requirements at border points for all finished motor vehicles exported to the United States from Canada | **O** | **AN 6/10** |
| **X** | **VC11** | **877** | **Vessel Stowage Location**<br>Location of cargo stowed on board an ocean vessel | **O** | **AN 1/12** |

**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:** [56] L7 SEGMENT - Stop-Off DoDAAC (DG 2015)
SEGMENT CONDITION: This segment is required when describing stop-offs for a shipment unit as part of a SEAVAN consolidation. Repeat up to ten times for each Stop-Off DoDAAC.

**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** |
| **>>** | **L703** | **171** | **Tariff Number**<br>Standard tariff number for the tariff which governs the rates applied to the commodity item(s)<br>[56-03] Stop-Off DoDAAC (DG 2015)<br>Enter Stop-Off DoDAAC. | **O** | **AN 1/7** |
| **>>** | **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<br>[56-04] Stop-Off Number (DG 2015)<br>Enter the stop-off sequence number for the shipment. Sequence numbers range from 1-9. | **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** |
| **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:** **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:**
[27] N9 SEGMENT - Stop-Off Indicator (DG 1001)
SEGMENT CONDITION: This segment is required when describing stop-offs for a shipment unit as part of a SEAVAN consolidation.
[28] N9 SEGMENT - Short Shelf Life Identification Code (DG 1001)
SEGMENT CONDITION: Use for air shipments, when shelf life is applicable.
[29] N9 SEGMENT - TCN (DG 1001)
[30] N9 SEGMENT - Transportation Tracking Number (TTN) (DG 1001)
CHANGE NOTE: Segment added per DM 887.
SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.
[31] N9 SEGMENT - Project Code (DG 1001)
SEGMENT CONDITION: Required when Project Code applies.
[32] N9 SEGMENT - Air Dimension Code (DG 1001)
SEGMENT CONDITION: Required only for air shipments.
[33] N9 SEGMENT - Defense Courier Service Station (DCSS) Collocation Indicator (DG 1001)
SEGMENT CONDITION: Use this segment only for single shipments by Defense Courier Service.
[34] N9 SEGMENT - Estimated Transit Days to POE (DG 1001)
SEGMENT CONDITION: This segment applies to single shipments to a POE not in a SEAVAN/RORO.
[35] N9 SEGMENT - Water Type Cargo Code (DG 1001)
SEGMENT CONDITION: This segment is used only for and required for water shipments.
[36] N9 SEGMENT - Special Handling Code (DG 1001)
Use this segment for shipments transiting through an Air or a Sea Port.
[57] N9 SEGMENT - TCN (DG 2001)
[58] N9 SEGMENT - Transportation Tracking Number (TTN) (DG 2001)
CHANGE NOTE: Segment added per DM 887.
SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.
[59] N9 SEGMENT - Project Code (DG 2001)
SEGMENT CONDITION: Use for 463L pallets only with a single Project Code.
[60] N9 SEGMENT - Consignee Distribution (CDIST) Code (DG 2001)
SEGMENT CONDITION: This segment is required when describing the number of consignees for a single stop or the number of stop-offs for shipment units as part of a SEAVAN/RORO consolidation.
[61] N9 SEGMENT - Estimated Transit Days to POE (DG 2001)
SEGMENT CONDITION: This segment applies to SEAVAN/RORO/463L shipments to a POE.
[62] N9 SEGMENT - Water Type Cargo Code (DG 2001)
SEGMENT CONDITION: This segment is used only for and required for water shipments.
[63] N9 SEGMENT - Special Handling Code (DG 2001)
SEGMENT CONDITION: Use this segment for shipments, except 463L pallet, transiting through an Air or Sea Port.

[64] N9 SEGMENT - Air Dimension Code (DG 2001)
SEGMENT CONDITION: Required for air shipments.
[65] N9 SEGMENT - Short Shelf Life Identification Code (DG 2001)
SEGMENT CONDITION: Use for RORO shipment by air when shelf life is applicable.
[85] N9 SEGMENT - Stop-Off Indicator (DG 3001)
SEGMENT CONDITION: This segment is required when describing stop-offs for a consolidated shipment loaded into a SEAVAN.
[86] N9 SEGMENT - Estimated Transit Days to POE (DG 3001)
SEGMENT CONDITION: This segment applies to consolidations not in a SEAVAN.
[87] N9 SEGMENT - TCN (DG 3001)
[88] N9 SEGMENT - Transportation Tracking Number (TTN) (DG 3001)
CHANGE NOTE: Segment added per DM 887.
SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.
[89] N9 SEGMENT - Project Code (DG 3001)
SEGMENT CONDITION: Required when Project Code applies.
[90] N9 SEGMENT - Short Shelf Life Identification Code (DG 3001)
SEGMENT CONDITION: Use for air shipments, when shelf life is applicable.
[91] N9 SEGMENT - Water Type Cargo Code (DG 3001)
SEGMENT CONDITION: This segment is required for water shipments.
[92] N9 SEGMENT - Special Handling Code (DG 3001)
Use this segment for shipments transiting through an Air or Sea Port.
[93] N9 SEGMENT - Air Dimension Code (DG 3001)
SEGMENT CONDITION: Required for air shipments.
[108] N9 SEGMENT - Basic Issue Item Pieces (DG 5001)
SEGMENT CONDITION: Applies to Government vehicles, trailers, tracked/wheeled guns, and aircraft.
[118] N9 SEGMENT - National Stock Number (NSN)/Part Number (DG 6001)
SEGMENT CONDITION: For a single line item shipment, enter the NSN or the CAGE code and Part number if the NSN is not known. When multiple line items are consolidated and the consolidation container comprises 51 percent or more by weight of a single NSN, enter the NSN (or the CAGE and Part-Number).
[141] N9 SEGMENT - Type of Personal Property Shipment Code (DG 8001)
SEGMENT CONDITION: Use when describing personal property.
[142] N9 SEGMENT - Household Goods and Baggage Carrier SCAC (DG 8001)
SEGMENT CONDITION: Required if ITGBL code is 'T', 'J', or '5'.
[143] N9 SEGMENT - POV License Plate Number (DG 8001)
SEGMENT CONDITION: Use when describing POVs.
[154] N9 SEGMENT - Controlled Inventory Item Code (CIIC) (DG 9013)
CHANGE NOTE: Segment added per DM 842.
SEGMENT CONDITION: Required for all DoD managed inventory items that have a CIIC assigned.
[155] N9 SEGMENT - Classified Shipment Seal Number (DG 9013)
SEGMENT CONDITION: Use for Classified Shipment Container Seal Number. Repeat segment for each different seal number.
[156] N9 SEGMENT - Serial Shipping Container Code (SSCC) (DG 9013)
SEGMENT CONDITION: Use when shipment is marked with a Serial Shipping Container Code (SSCC).
[176] N9 SEGMENT - Pallet Configuration Code (DG 9801)
[177] N9 SEGMENT - Cargo Type Classification Code (DG 9801)
[178] N9 SEGMENT - Personal Property Code (DG 9801)
SEGMENT CONDITION: Required for personal property shipments.
[179] N9 SEGMENT - Chain or Devices Tie Down Code (DG 9801)
SEGMENT CONDITION: Use if chain or device is used for tie down.
[180] N9 SEGMENT - Top Net, Side Net, or Strap Tie Down Code (DG 9801)
SEGMENT CONDITION: Use if top net, side net, or strap is used for tie down.
[181] N9 SEGMENT - Center of Balance of Pallet Train (DG 9801)
SEGMENT CONDITION: Use if 463L pallet configuration is a pallet train.
[182] N9 SEGMENT - Pallet Overhang Direction Code (DG 9801)
SEGMENT CONDITION: Required when cargo overhangs the physical edges of the 463L pallet.

[183] N9 SEGMENT - Equivalent Pallet Positions (DG 9801)
[184] N9 SEGMENT - Air Special Handling Code (DG 9801)

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| **M** | **N901** | **128** | **Reference Identification Qualifier** | **M ID 2/3** |
| | | | Code qualifying the Reference Identification | |
| | | | [27-01] Stop-Off Indicator Qualifier (DG 1001)<br>[28-01] Short Shelf Life Identification Code Qualifier (DG 1001)<br>CHANGE NOTE: Code value 'P5' changed to 'SHL' per DM 810.<br>[29-01] TCN Qualifier (DG 1001)<br>[30-01] Transportation Tracking Number (TTN) Qualifier (DG 1001)<br>[31-01] Project Code Qualifier (DG 1001)<br>[32-01] Air Dimension Code Qualifier (DG 1001)<br>[33-01] DCSS Collocation Indicator Qualifier (DG 1001)<br>[34-01] Estimated Transit Days to POE Qualifier (DG 1001)<br>[35-01] Water Type Cargo Code Qualifier (DG 1001)<br>[36-01] Special Handling Code Qualifier (DG 1001)<br>[57-01] TCN Qualifier (DG 2001)<br>[58-01] Transportation Tracking Number (TTN) Qualifier (DG 2001)<br>[59-01] Project Code Qualifier (DG 2001)<br>[60-01] Consignee Distribution (CDIST) Code Qualifier (DG 2001)<br>[61-01] Estimated Transit Days to POE Qualifier (DG 2001)<br>[62-01] Water Type Cargo Code Qualifier (DG 2001)<br>[63-01] Special Handling Code Qualifier (DG 2001)<br>[64-01] Air Dimension Code Qualifier (DG 2001)<br>[65-01] Short Shelf Life Identification Code Qualifier (DG 2001)<br>[85-01] Stop-Off Indicator Qualifier (DG 3001)<br>[86-01] Estimated Transit Days to POE Qualifier (DG 3001)<br>[87-01] TCN Qualifier (DG 3001)<br>[88-01] Transportation Tracking Number (TTN) Qualifier (DG 3001)<br>[89-01] Project Code Qualifier (DG 3001)<br>[90-01] Short Shelf Life Identification Code Qualifier (DG 3001)<br>[91-01] Water Type Cargo Code Qualifier (DG 3001)<br>[92-01] Special Handling Code Qualifier (DG 3001)<br>[93-01] Air Dimension Code Qualifier (DG 3001)<br>[108-01] Basic Issue Item (BII) Qualifier (DG 5001)<br>[118-01] NSN/Part Number Qualifier (DG 6001)<br>[141-01] Type of Personal Property Shipment Code Qualifier (DG 8001)<br>[142-01] Household Goods and Baggage Carrier SCAC Qualifier (DG 8001)<br>[143-01] POV License Plate Number Qualifier (DG 8001)<br>[154-01] Controlled Inventory Item Code Qualifier (DG 9013)<br>[155-01] Classified Shipment Seal Number Qualifier (DG 9013)<br>[156-01] SSCC Qualifier (DG 9013)<br>[176-01] Pallet Configuration Code Qualifier (DG 9801)<br>[177-01] Cargo Type Classification Code Qualifier (DG 9801)<br>[178-01] Personal Property Code Qualifier (DG 9801)<br>[179-01] Chain or Devices Tie Down Code Qualifier (DG 9801)<br>[180-01] Top Net, Side Net, or Strap Tie Down Code Qualifier (DG 9801)<br>[181-01] Center of Balance Qualifier (DG 9801)<br>[182-01] Pallet Overhang Direction Code Qualifier (DG 9801)<br>[183-01] Equivalent Pallet Positions Qualifier (DG 9801)<br>[184-01] Air Special Handling Code Qualifier (DG 9801) | |
| | | 18 | Plan Number<br>The unique identification number assigned for a defined contribution plan<br>[30-01] Plan Number<br>Use '18' to denote Transportation Tracking Number (TTN)<br>[58-01] Plan Number | |

| | |
|---|---|
| | Use '18' to denote Transportation Tracking Number (TTN)<br>[88-01] Plan Number<br>Use '18' to denote Transportation Tracking Number (TTN) |
| 8R | Security Type |
| | [154-01] Security Type<br>Use '8R' to denote Controlled Inventory Item Code<br>[179-01] Security Type<br>Use '8R' to denote Chain or Devices Tie Down Code |
| 8X | Transaction Category or Type |
| | [177-01] Transaction Category or Type<br>Use '8X' to denote Cargo Type Classification Code |
| 8Z | Alternate Clause Number |
| | [183-01] Alternate Clause Number<br>Use '8Z' to denote Number of Equivalent Pallet Positions |
| ADM | Air Dimension Code |
| | [32-01] Air Dimension Code<br>[64-01] Air Dimension Code<br>[93-01] Air Dimension Code |
| AHC | Air Handling Code |
| | [36-01] Air Handling Code<br>[63-01] Air Handling Code<br>[92-01] Air Handling Code |
| AR | Arrival Code |
| | [34-01] Arrival Code<br>Use 'AR' to denote Estimated Transit Days to POE<br>[61-01] Arrival Code<br>Use 'AR' to denote Estimated Transit Days to POE<br>[86-01] Arrival Code<br>Use 'AR' to denote Estimated Transit Days to POE |
| COL | Collocation Indicator |
| | [33-01] Collocation Indicator |
| D7 | Coverage Code |
| | Type of protection provided by an insurance policy |
| | [184-01] Coverage Code<br>Use 'D7' to denote Air Special Handling Code |
| GY | Empty Repositioning Number |
| | Number used to authorize and track an empty container or bare chassis or generator set being repositioned for later use |
| | [182-01] Empty Repositioning Number<br>Use 'GY' to denote Pallet Overhang Direction Code |
| HHT | Type of Household Goods Code |
| | [141-01] Type of Household Goods Code |
| LA | Shipping Label Serial Number |
| | [156-01] Shipping Label Serial Number<br>Use 'LA' to denote SSCC |
| LV | License Plate Number |
| | [143-01] License Plate Number |
| NS | National Stock Number |
| | [118-01] National Stock Number |
| P4 | Project Code |
| | [31-01] Project Code<br>[59-01] Project Code<br>[89-01] Project Code |

| | |
|---|---|
| P5 | Position Code |
| | [181-01] Position Code<br>Use 'P5' to denote Center of Balance |
| PHC | Process Handling Code |
| | [35-01] Process Handling Code<br>[62-01] Process Handling Code<br>Use 'PHC' to denote Water Type Cargo Code<br>[91-01] Process Handling Code<br>Use 'PHC' to denote Water Type Cargo Code |
| PM | Part Number |
| | [118-01] Part Number<br>Use 'PM' to denote CAGE + Part Number |
| Q5 | Property Control Number |
| | [178-01] Property Control Number<br>Use 'Q5' to denote Personal Property Code |
| QN | Stop Sequence Number |
| | [27-01] Stop Sequence Number<br>[60-01] Stop Sequence Number<br>Use 'QN' to denote Consignee Distribution (CDIST) Code<br>[85-01] Stop Sequence Number |
| SCA | Standard Carrier Alpha Code (SCAC) |
| | [142-01] Standard Carrier Alpha Code (SCAC) |
| SHL | Shelf Life Indicator |
| | [28-01] Shelf Life Indicator<br>Use 'SHL' to denote Short Shelf Life Code<br>[65-01] Shelf Life Indicator<br>[90-01] Shelf Life Indicator<br>Use 'SHL' to denote Short Shelf Life Identification Code |
| SN | Seal Number |
| | [155-01] Seal Number<br>Use 'SN' to denote Classified Shipment Seal Number |
| SU | Special Processing Code |
| | Unique code identifying the special handling requirements for the claim |
| | [36-01] Special Processing Code<br>Use 'SU' to denote Water Special Handling Code<br>[63-01] Special Processing Code<br>Use 'SU' to denote Water Special Handling Code<br>[92-01] Special Processing Code<br>Use 'SU' to denote Water Special Handling Code |
| TG | Transportation Control Number (TCN) |
| | [29-01] Transportation Control Number (TCN)<br>[57-01] Transportation Control Number (TCN)<br>[87-01] Transportation Control Number (TCN) |
| WL | Federal Supply Classification Code |
| | [176-01] Federal Supply Classification Code<br>Use 'WL' to denote Pallet Configuration Code |
| Z3 | Safety Equipment Certificate |
| | Number of a document specifying and guaranteeing the safety equipment on board a vessel |
| | [180-01] Safety Equipment Certificate<br>Use 'Z3' to denote Top Net, Side Net, or Strap Tie Down Code |
| ZZ | Mutually Defined |
| | [108-01] Mutually Defined<br>Use 'ZZ' to denote Basic Issue Item Number Information |

| | | | | | |
|---|---|---|---|---|---|
| >> | **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

[27-02] Stop-Off Indicator (DG 1001)
Enter the stop-off sequence number for the shipment. Sequence numbers range from 1-9. For cargo going to the final destination of the SEAVAN, enter value 'Z'.
[28-02] Short Shelf Life Identification Code (DG 1001)
For short shelf-life items, enter one of the following values (Short Shelf Life Identification Codes):
[29-02] TCN (DG 1001)
Enter the TCN of the shipment unit.
[30-02] Transportation Tracking Number (TTN) (DG 1001)
[31-02] Project Code (DG 1001)
[32-02] Air Dimension Code (DG 1001)
[33-02] DCSS Collocation Indicator (DG 1001)
Enter value '9' if DCS Station and APOE are co-located; otherwise enter value 'X'.
[34-02] Estimated Transit Days to POE (DG 1001)
This figure expresses the number of days from expected time of departure from the shipper to expected time of arrival at the POE. Zero (0) is a valid entry.
[35-02] Water Type Cargo Code (DG 1001)
This is paired with the Water Commodity Code that is mapped to the L5 Segment (HL loop position 130).
[36-02] Special Handling Code (DG 1001)
For water shipments, enter the one-position water special handling code from Appendix LL of the DTR Part II. This is paired with the water commodity code mapped to the L5 segment (HL loop position 130).

For air shipments, enter the special handling code from Appendix Z of the DTR Part II.
SOURCE: Defense Transportation Regulations
[57-02] TCN (DG 2001)
Enter the TCN of the consolidated shipment unit.
[58-02] Transportation Tracking Number (TTN) (DG 2001)
[59-02] Project Code (DG 2001)
[60-02] Consignee Distribution (CDIST) Code (DG 2001)
For ROROs, enter 'S' for single consignee and 'M' for multiple consignees.

For SEAVAN shipments, use the following values:

S - Single consignee at a single destination.
M - Multiple consignees via a break bulk point for distribution to the consignees.
C - Multiple consignees via a centralized receiving point for distribution to the ultimate consignees.
1-9 - Multiple consignees via stop offs. Enter the number of stop offs, excluding the final consignee.
[61-02] Estimated Transit Days to POE (DG 2001)
This figure expresses the number of days from expected time of departure from the shipper to expected time of arrival at the POE. Zero (0) is a valid entry.
[62-02] Water Type Cargo Code (DG 2001)
This is paired with the water commodity code that is mapped to the L5 Segment (HL loop position 130).
[63-02] Special Handling Code (DG 2001)
For water shipments, enter the one-position Special Handling Code from Appendix LL of the DTR Part II. This is paired with the water commodity code mapped to the L5 segment (HL loop position 130).

For air shipments, enter the special handling code from Appendix Z of the DTR Part II.

SOURCE: DTR Part II
[64-02] Air Dimension Code (DG 2001)
[65-02] Short Shelf Life Identification Code (DG 2001)
CHANGE NOTE: Value 'Z' changed to 'X' per DM 810.

For short shelf-life items, enter one of the following values to denote the DoD definition indicated:
[85-02] Stop-Off Indicator (DG 3001)
Enter the stop-off sequence number for the SEAVAN, where the consolidated shipment should be delivered. Sequence numbers range from 1-9. For cargo going to the final destination of the SEAVAN, enter value 'Z'.
[86-02] Estimated Transit Days to POE (DG 3001)
This figure expresses the number of days from expected time of departure from the shipper to expected time of arrival at the POE (estimated days in transit).
[87-02] TCN (DG 3001)
Enter the TCN of the consolidated shipment unit.
[88-02] Transportation Tracking Number (TTN) (DG 3001)
[89-02] Project Code (DG 3001)
[90-02] Short Shelf Life Identification Code (DG 3001)
For short shelf-life items, enter one of the following values (Short Shelf Life Identification Codes):
.
CHANGE NOTE: Value 'X' replaced value 'Z' per DM 838.
[91-02] Water Type Cargo Code (DG 3001)
This is paired with the water commodity code that is mapped to the L5 Segment (HL loop position 130).
[92-02] Special Handling Code (DG 3001)
For water shipments, enter the one-position special handling code from Appendix LL of the DTR Part II. This is paired with the water commodity code mapped to the L5 segment (HL loop position 130).

For air shipments, enter the special handling code from Appendix Z of the DTR Part II.
[93-02] Air Dimension Code (DG 3001)
[108-02] Basic Issue Item (BII) Pieces (DG 5001)
Indicate the number of pieces of BII. (Example: BII02 for two BII items). Occurs once for each shipment unit (T_0/1/4).
[118-02] NSN/Part Number (DG 6001)
Enter one NSN or one concatenated CAGE + Part Number (whenever NSN in unavailable) per HL loop.
[141-02] Type of Personal Property Shipment Code (DG 8001)
SOURCE: Table Management Distribution System (TMDS)
[142-02] Household Goods and Baggage Carrier SCAC (DG 8001)
Enter HHG and Baggage Carrier SCAC.
[143-02] POV License Plate Number (DG 8001)
Enter full plate letters/numbers of license plate.
[154-02] Controlled Inventory Item Code (DG 9013)
Enter CIIC from the authoritative code source.
SOURCE: DoD 4100.39R (FLIS Manual) Volume 10, Table 61
[155-02] Classified Shipment Seal Number (DG 9013)
Enter seal number.
[156-02] SSCC (DG 9013)
Enter SSCC (numeric value).
[176-02] Pallet Configuration Code (DG 9801)
SOURCE: Table Management Distribution System (TMDS)
[178-02] Personal Property Code (DG 9801)
SOURCE: Table Management Distribution System (TMDS)
[179-02] Chain or Devices Tie Down Indicator (DG 9801)
Enter value 'CHAIN' to denote Chain or Devices Tie Down.
[180-02] Top Net, Side Net, or Strap Tie Down Indicator (DG 9801)
Enter value 'NET' to denote Top Net, Side Net, or Strap Tie Down.

[181-02] Center of Balance of Pallet Train (DG 9801)
Enter Center of Balance of Pallet Train in inches.
[182-02] Pallet Overhang Direction Code (DG 9801)
Enter one of the following values as appropriate:
[183-02] Equivalent Pallet Positions (DG 9801)
Enter the number of Equivalent Pallet Positions. Include an explicit decimal point. Use only one decimal place. Do not enter a leading space (' ').
[184-02] Air Special Handling Code (DG 9801)
Enter the Air Special Handling Code. If special handling is not required, enter value 'Z'.
SOURCE: DTR Part II, Appendix Z

| | |
|---|---|
| A | New Code Added by IC |
| | [141-02] ITGBL HHGS AUTHORIZED SIT<br>[178-02] ITGBL HHGS AUTHORIZED SIT<br>[182-02] Aft |
| B | New Code Added by IC |
| | [141-02] UNACCOMPANIED BAGGAGE (DIRECT PROCUREMENT METHOD)<br>[178-02] UNACCOMPANIED BAGGAGE (DIRECT PROCUREMENT METHOD)<br>[182-02] Both |
| BC | New Code Added by IC |
| | [176-02] BELLY CARGO |
| C | New Code Added by IC |
| | [141-02] ITGBL UB AUTHORIZED SIT<br>[178-02] ITGBL UB AUTHORIZED SIT |
| D | New Code Added by IC |
| | [141-02] DPM SHIPMENT AUTHORIZED SIT<br>[178-02] DPM SHIPMENT AUTHORIZED SIT |
| F | New Code Added by IC |
| | [182-02] Front |
| H | New Code Added by IC |
| | [141-02] HOUSEHOLD GOODS (DIRECT PROCUREMENT METHOD)<br>[178-02] HOUSEHOLD GOODS (DIRECT PROCUREMENT METHOD) |
| I | New Code Added by IC |
| | [141-02] DPM HHGS TRANSITING PORT ONLY<br>[178-02] DPM HHGS TRANSITING PORT ONLY |
| J | New Code Added by IC |
| | [141-02] UNACCOMPANIED BAGGAGE (THRU GOVERNMENT BILL OF LADING)<br>[178-02] UNACCOMPANIED BAGGAGE (THRU GOVERNMENT BILL OF LADING) |
| K | New Code Added by IC |
| | [28-02] General Services Administration (GSA)-managed Sealants/Adhesives<br>[65-02] GSA-managed sealants/adhesives<br>[90-02] General Services Administration (GSA)-managed sealants/adhesives<br>[141-02] HOUSEHOLD GOODS (TGBL)<br>[178-02] HOUSEHOLD GOODS (TGBL) |
| LS | New Code Added by IC |
| | [176-02] LOOSE CARGO |
| M | New Code Added by IC |
| | [28-02] Medical Items<br>[65-02] Medical Items<br>[90-02] Medical Items |

| | | | | | |
|---|---|---|---|---|---|
| | | | N | New Code Added by IC | |
| | | | | [141-02] DPM (HHG/UB) FOR NONTEMPORARY STORAGE<br>[178-02] DPM (HHG/UB) FOR NONTEMPORARY STORAGE | |
| | | | P | New Code Added by IC | |
| | | | | [141-02] POV<br>[178-02] POV | |
| | | | PC | New Code Added by IC | |
| | | | | [176-02] PALLETIZED CARGO | |
| | | | Q | New Code Added by IC | |
| | | | | [141-02] TGBL (HHG/UB)TRANSITING PORT ONLY<br>[178-02] TGBL (HHG/UB) TRANSITING PORT ONLY | |
| | | | RS | New Code Added by IC | |
| | | | | [176-02] ROLLING STOCK | |
| | | | SD | New Code Added by IC | |
| | | | | [176-02] CARGO ON SKID | |
| | | | T2 | New Code Added by IC | |
| | | | | [176-02] PALLET TRAIN CONSISTING OF 2 PALLETS | |
| | | | T3 | New Code Added by IC | |
| | | | | [176-02] PALLET TRAIN CONSISTING OF 3 PALLETS | |
| | | | T4 | New Code Added by IC | |
| | | | | [176-02] PALLET TRAIN CONSISTING OF 4 PALLETS | |
| | | | T5 | New Code Added by IC | |
| | | | | [176-02] PALLET TRAIN CONSISTING OF 5 PALLETS | |
| | | | T6 | New Code Added by IC | |
| | | | | [176-02] PALLET TRAIN CONSISTING OF 6 PALLETS | |
| | | | T7 | New Code Added by IC | |
| | | | | [176-02] PALLET TRAIN CONSISTING OF 7 PALLETS | |
| | | | X | New Code Added by IC | |
| | | | | [28-02] All Other Short Shelf-life Items<br>[65-02] Any Other Commodity with Limited Shelf Life<br>[90-02] All Other Short Shelf-life Items | |
| **>>** | **N903** | **369** | **Free-form Description** | | **X AN 1/45** |
| | | | Free-form descriptive text | | |
| | | | [143-03] POV License Plate - U.S. State Abbreviation (DG 8001)<br>Enter abbreviation for state issuing vehicle license plate. If none, enter NO.<br>[177-03] Cargo Type Classification Code (DG 9801)<br>SOURCE: Table Management Distribution System (TMDS) | | |
| | | | G | New Code Added by IC | |
| | | | | [177-03] General Cargo | |
| | | | M | New Code Added by IC | |
| | | | | [177-03] Mixtures of G and S | |
| | | | S | New Code Added by IC | |
| | | | | [177-03] Cargo Requiring Special Handling | |
| | | | U | New Code Added by IC | |
| | | | | [177-03] Mail | |
| | | | Y | New Code Added by IC | |

| | | | | | |
|---|---|---|---|---|---|
| | | | [177-03] Signature Service | | |
| **X** | **N904** | **373** | **Date** | **O** | **DT 8/8** |
| | | | Date expressed as CCYYMMDD | | |
| **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. | | |
| >> | **N907** | **C040** | **Reference Identifier** | **O** | |
| | | | To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier | | |
| | | | [179-07] COMPOSITE DE - Tie Down Code Header (DG 9801)<br>[180-07] COMPOSITE DE - Tie Down Code Header (DG 9801) | | |
| **M** | **C04001** | **128** | **Reference Identification Qualifier** | **M** | **ID 2/3** |
| | | | Code qualifying the Reference Identification | | |
| | | | [179-07-01] Chain Tie Down Code (DG 9801)<br>[180-07-01] Top Net Tie Down Code (DG 9801) | | |
| | | | 01 American Bankers Assoc. (ABA) Transit/Routing Number (Including Check Digit, 9 Digits) | | |
| | | | [179-07-01] American Bankers Assoc. (ABA) Transit/Routing Number (Including Check Digit, 9 Digits)<br>Use '01' to denote 01 C-Chain | | |
| | | | 03 Clearing House Interbank Payment System (CHIPS) Participant Number (3 or 4 Digits) | | |
| | | | [180-07-01] Clearing House Interbank Payment System (CHIPS) Participant Number (3 or 4 Digits)<br>Use '03' to denote T - Top Net | | |
| **M** | **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 | | |
| | | | [179-07-02] Chain Quantity (DG 9801)<br>Enter quantity of chains.<br>ELEMENT CONDITION: Required if N907 code value of '01' is used.<br>[180-07-02] Top Net Quantity (DG 9801)<br>Enter quantity of top nets.<br>ELEMENT CONDITION: Required if N907 code value of '03' is used. | | |
| | **C04003** | **128** | **Reference Identification Qualifier** | **X** | **ID 2/3** |
| | | | Code qualifying the Reference Identification | | |
| | | | [179-07-03] Devices Tie Down Code (DG 9801)<br>[180-07-03] Side Net Tie Down Code (DG 9801) | | |
| | | | 02 Society for Worldwide Interbank Financial Telecommunication (S.W.I.F.T.) Identification (8 or 11 Characters) | | |
| | | | [179-07-03] Society for Worldwide Interbank Financial Telecommunication (S.W.I.F.T.) Identification (8 or 11 Characters)<br>Use '02' to denote D - Device | | |
| | | | 04 Canadian Financial Institution Branch and Institution Number | | |
| | | | [180-07-03] Canadian Financial Institution Branch and Institution Number<br>Use '04' to denote N - Side Net | | |

| | | | | |
|---|---|---|---|---|
| **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<br>[179-07-04] Devices Quantity (DG 9801)<br>Enter quantity of devices.<br>ELEMENT CONDITION: Required if N907 code value of '02' is used.<br>[180-07-04] Side Net Quantity (DG 9801)<br>Enter quantity of side nets.<br>ELEMENT CONDITION: Required if N907 code value of '04' is used. | | |
| **C04005** | **128** | **Reference Identification Qualifier** | **X** | **ID 2/3** |
| | | Code qualifying the Reference Identification<br>[180-07-05] Strap Tie Down Code (DG 9801) | | |
| | | 05 — Clearing House Interbank Payment System (CHIPS) User Identification (6 digits)<br>[180-07-05] Clearing House Interbank Payment System (CHIPS) User Identification (6 digits)<br>Use '05' to denote Strap | | |
| **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<br>[180-07-06] Strap Quantity (DG 9801)<br>Enter quantity of straps.<br>ELEMENT CONDITION: Required if N907 code value of '05' is used. | | |

**Segment:** **H3** **Special Handling Instructions**
**Position:** 105
**Loop:** HL Mandatory
**Level:** Detail
**Usage:** Optional
**Max Use:** 1
**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:** [37] H3 SEGMENT - Special Requirements Code (DG 1001)
SEGMENT CONDITION: Use this segment when a Special Requirements Code applies. Do not enter a Julian date for the Special Requirements Code.
[66] H3 SEGMENT - Special Requirements Code (DG 2001)
SEGMENT CONDITION: Use this segment when a Special Requirements Code applies. Do not enter a Julian date for the Special Requirements Code.
[94] H3 SEGMENT - Special Requirements Code (DG 3001)
SEGMENT CONDITION: Use this segment when a Special Requirements Code applies. Do not enter a Julian date for the Special Requirements Code.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **X** | **H301** | **152** | **Special Handling Code**<br>Code specifying special transportation handling instructions<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>[37-02] Special Requirements Code (DG 1001)<br>Code list includes supplysupply Special Requirements Codes '444', '555', '777', '999', 'Exx', 'Nxx', 'Sxx' and 'Xxx'. (As a measure of consistency between this 858B IC and the 856A IC enter triple-position codes 'Exx', 'Nxx', 'Sxx' and 'Xxx' where the first byte is literal and the 'xx' represent any valid alpha-numeric value that completes the code as defined by the Supply Community).<br>Change per DM 1014<br>[66-02] Special Requirements Code (DG 2001)<br>Code list includessupply Special Requirements Codes '444', '555', '777', '999', 'Exx', 'Nxx', 'Sxx' and 'Xxx'. (As a measure of consistency between this 858B IC and the 856A IC enter triple-position codes 'Exx', 'Nxx', 'Sxx' and 'Xxx' where the first byte is literal and the 'xx' represent any valid alpha-numeric value that completes the code as defined by the Supply Community).<br>Change per DM 1014<br>[94-02] Special Requirements Code (DG 3001)<br>Code list includessupply Special Requirements Codes '444', '555', '777', '999', 'Exx', 'Nxx', 'Sxx' and 'Xxx'. (As a measure of consistency between this 858B IC and the 856A IC enter triple-position codes 'Exx', 'Nxx', 'Sxx' and 'Xxx' where the first byte is literal and the 'xx' represent any valid alpha-numeric value that completes the code as defined by the Supply Community).<br>Change per DM 1014 | **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 | **O** | **ID 1/1** |

Refer to 004010 Data Element Dictionary for acceptable code values.

**Segment:** **L5** **Description, Marks and Numbers**
**Position:** 130
**Loop:** HL Mandatory
**Level:** Detail
**Usage:** Optional
**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:**
[38] L5 SEGMENT - Air Commodity Code and Federal Supply Class (DG 1001)
SEGMENT CONDITION: Required for and used only for air shipments.
[39] L5 SEGMENT - Water Commodity Code (DG 1001)
SEGMENT CONDITION: Required for and used only for water shipments.
[40] L5 SEGMENT - Non Palletized Mail Registry Number (DG 1001)
SEGMENT CONDITION: Use when Non Palletized Mail Registry applies.
[67] L5 SEGMENT - Air Commodity Code (DG 2001)
SEGMENT CONDITION: Required for and used only for air shipments.
[68] L5 SEGMENT - Water Commodity Code (DG 2001)
SEGMENT CONDITION: Use for Water Commodity Codes.
[69] L5 SEGMENT - Reefer Temperature (DG 2014)
SEGMENT CONDITION: Use this element when reefer cargo must be maintained within a specified temperature range.
[95] L5 SEGMENT - Air Commodity Code (DG 3001)
SEGMENT CONDITION: Required for and used only for air shipments.
[96] L5 SEGMENT - Water Commodity Code (DG 3001)
SEGMENT CONDITION: Required for and used only for water shipments.
[144] L5 SEGMENT - POV Make and Color (DG 8001)
SEGMENT CONDITION: Required when describing Privately-Owned Vehicle (POV).

**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>[144-02] POV Make (DG 8001)<br>Enter the first 25 letters of the POV make. | **O** | **AN 1/50** |
| **>>** | **L503** | **22** | **Commodity Code**<br>Code describing a commodity or group of commodities<br>[38-03] Air Commodity Code (DG 1001)<br>This is paired with the special handling code that is mapped to the N9 segment (HL loop position 100).<br>[39-03] Water Commodity Code (DG 1001)<br>[40-03] Non Palletized Mail Registry Number (DG 1001)<br>[67-03] Air Commodity Code (DG 2001)<br>This is paired with the special handling code that is mapped to the N9 segment (HL loop position 100).<br>[68-03] Water Commodity Code (DG 2001)<br>This is paired with the water Type Cargo Code and the Special Handling Code that are mapped to the N9 segments (HL loop position 100).<br>[69-03] Reefer Temperature (DG 2014)<br>For reefer vans, enter the temperature or temperature range required to properly maintain the cargo, e.g., 34 degrees is shown as 34, 34 to 41degrees is shown as 34-41. | **X** | **AN 1/30** |

CHANGE NOTE: Use L503 (rather than L502) for Reefer Temperature per DM 763.
[95-03] Air Commodity Code (DG 3001)
This is paired with the special handling code that is mapped to the N9 segment (HL loop position 100).
[96-03] Water Commodity Code (DG 3001)
This is paired with the Water Type Cargo Code and the Special Handling Code that are mapped to the N9 segments (HL loop position 100).

| | | | | | |
|---|---|---|---|---|---|
| >> | **L504** | **23** | **Commodity Code Qualifier** | **X** | **ID 1/1** |

Code identifying the commodity coding system used for Commodity Code

[38-04] Air Commodity Code Qualifier (DG 1001)
[39-04] Water Commodity Code Qualifier (DG 1001)
[40-04] Non Palletized Mail Registry Number Qualifier (DG 1001)
[67-04] Air Commodity Code Qualifier (DG 2001)
[68-04] Water Commodity Code Qualifier (DG 2001)
[69-04] Reefer Temperature Qualifier (DG 2014)
[95-04] Air Commodity Code Qualifier (DG 3001)
[96-04] Water Commodity Code Qualifier (DG 3001)

| | |
|---|---|
| C | Canadian Freight Classification |
| | [69-04] Canadian Freight Classification<br>Use 'C' to denote Reefer Temperature measured in Centigrade |
| D | Department of Defense Unique Codes |
| | [40-04] Department of Defense Unique Codes<br>Use 'D' to denote Non Palletized Mail Registry Number |
| F | National Stock Number |
| | [69-04] National Stock Number<br>Use 'F' to denote Fahrenheit |
| I | Milstamp AITC or Water Commodity Code |
| | [39-04] Milstamp AITC or Water Commodity Code<br>[68-04] Milstamp AITC or Water Commodity Code<br>Use 'I' to denote Water Commodity Code<br>[96-04] Milstamp AITC or Water Commodity Code |
| Z | Mutually defined |
| | [38-04] Mutually defined<br>Use 'Z' to denote Air Commodity Code<br>[67-04] Mutually defined<br>Use 'Z' to denote Water Special Handling Code<br>[95-04] Mutually defined<br>Use 'Z' to denote Air Commodity Code |

| | | | | | |
|---|---|---|---|---|---|
| **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
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

[144-06] POV Color (DG 8001)
Enter predominate POV color.

| | | | | | |
|---|---|---|---|---|---|
| **X** | **L507** | **88** | **Marks and Numbers Qualifier** | **O** | **ID 1/2** |

Code specifying the application or source of Marks and Numbers (87)

Refer to 004010 Data Element Dictionary for acceptable code values.

| | | | | | |
|---|---|---|---|---|---|
| | **L508** | **23** | **Commodity Code Qualifier** | **X** | **ID 1/1** |

Code identifying the commodity coding system used for Commodity Code

[38-08] Federal Supply Class Qualifier (DG 1001)
ELEMENT CONDITION: Use for air shipments if Federal Supply Class furnished by the application system.

| | |
|---|---|
| K | Federal Supply Classification |
| | [38-08] Federal Supply Classification |

| | | | | | |
|---|---|---|---|---|---|
| | **L509** | **22** | **Commodity Code**<br>Code describing a commodity or group of commodities<br>[38-09] Federal Supply Class (DG 1001)<br>ELEMENT CONDITION: Use for air shipments if furnished by the application system. | **X** | **AN 1/30** |
| **X** | **L510** | **595** | **Compartment ID Code**<br>Code identifying the compartment in a compartmentalized tank car<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **O** | **ID 1/1** |

**Segment:** **Y7** **Priority**
**Position:** 137
**Loop:** HL Mandatory
**Level:** Detail
**Usage:** Optional
**Max Use:** 2
**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:** [41] Y7 SEGMENT - Transportation Priority Code (DG 1001)
SEGMENT CONDITION: Use when priority code applies.
[70] Y7 SEGMENT - Transportation Priority Code (DG 2001)
SEGMENT CONDITION: Use when priority code applies.
[97] Y7 SEGMENT - Transportation Priority Code (DG 3001)
SEGMENT CONDITION: Use when Priority Code applies.
[185] Y7 SEGMENT - Priority (DG 9801)
SEGMENT CONDITION: Required for other than a Unit Move pallet. By definition Unit Move pallet does not have a shipment priority.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| >> | **Y701** | **467** | **Priority**<br>Number indicating importance<br>[41-01] Transportation Priority Code (DG 1001)<br>Enter the transportation priority of the shipment unit. Valid values are '1', '2', '3', or '4'<br>[70-01] Transportation Priority Code (DG 2001)<br>Enter the highest transportation priority contained in the loaded SEAVAN/RORO/463L.<br>[97-01] Transportation Priority Code (DG 3001)<br>Enter the highest transportation priority loaded in the shipment unit. | **O** | **N0 1/1** |
| >> | **Y702** | **470** | **Priority Code**<br>Code indicating level of priority: 1-highest, 0-implies priority not assigned<br>[185-02] Highest Transportation Priority (DG 9801)<br>Enter highest priority on the pallet. | **X** | **N0 1/1** |
| >> | **Y703** | **471** | **Priority Code Qualifier**<br>Number indicating the number of levels of priority (1 to 9) used for data element 470, Priority Code<br>[185-03] Special Priority (DG 9801)<br>CHANGE NOTE: Requirement attribute changed and user note modified per DM 821.<br><br>Enter the following Special Priority as applicable:<br>0 New Code Added by IC<br>[185-03] No Special Priority<br>4 New Code Added by IC<br>[185-03] 444<br>5 New Code Added by IC<br>[185-03] 555<br>7 New Code Added by IC<br>[185-03] 777<br>9 New Code Added by IC<br>[185-03] 999 | **X** | **AN 1/1** |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | E | New Code Added by IC | | |
| | | | | [185-03] Anticipated NMCS | | |
| | | | F | New Code Added by IC | | |
| | | | | [185-03] FSS - Forward Supply System | | |
| | | | G | New Code Added by IC | | |
| | | | | [185-03] Green Sheet | | |
| | | | N | New Code Added by IC | | |
| | | | | [185-03] NMCS | | |
| | | | P | New Code Added by IC | | |
| | | | | [185-03] Purple Sheet | | |
| **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:** **G62** **Date/Time**
**Position:** 138
**Loop:** HL Mandatory
**Level:** Detail
**Usage:** Optional
**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:**
[42] G62 SEGMENT - Date/Time (UTC) Shipped to POE (DG 1001)
SEGMENT CONDITION: Required for air and water shipments to a POE -- not for shipments to a CCP or for shipments loaded at POE.
[43] G62 SEGMENT - Required Delivery Date (RDD) (UTC) (DG 1001)
SEGMENT CONDITION: Use when RDD furnished by the application system is a Julian date.
[71] G62 SEGMENT - Date/Time (UTC) Shipped to POE (DG 2001)
SEGMENT CONDITION: Required for air and water shipment to a POE - not for shipment to a CCP or for shipment loaded at POE.
[72] G62 SEGMENT - Contractual RDD (UTC) (DG 2001)
Required Delivery Date (RDD) should also be provided in the G62 Segment (Required Delivery Date) if available.

CHANGE NOTE: Segment added per DM 839.
SEGMENT CONDITION: Use when a commercial ocean booking RDD is provided.
[73] G62 SEGMENT - Required Delivery Date (RDD) (UTC) (DG 2001)
SEGMENT CONDITION: Use when RDD furnished by the application system as Julian date.
[98] G62 SEGMENT - Date/Time (UTC) Shipped to POE (DG 3001)
SEGMENT CONDITION: Required for air and water shipments to a POE - not for shipments to a CCP or for shipments loaded at POE.
[99] G62 SEGMENT - Required Delivery Date (RDD) (DG 3001)
SEGMENT CONDITION: Use when RDD furnished by the application system.
[186] G62 SEGMENT - Pallet Departure Date/Time (UTC) from APOE (DG 9801)
SEGMENT CONDITION: Required when pallet departs from APOE.
[187] G62 SEGMENT - Estimated Date/Time (UTC) Arrival at APOE (DG 9801)
SEGMENT CONDITION: Use for capped pallets originating at other than APOE and which are going to an APOE.
[188] G62 SEGMENT - Pallet Closed Date (UTC) (DG 9801)
SEGMENT CONDITION: Required when the following NTE02 at Position 140 contains 'C'.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| >> | **G6201** | **432** | **Date Qualifier**<br>Code specifying type of date<br>[42-01] Date (UTC) Shipped to POE Qualifier (DG 1001)<br>[43-01] Required Delivery Date (RDD) Qualifier (DG 1001)<br>[71-01] Date (UTC) Shipped to POE Qualifier (DG 2001)<br>Use code value '17' when DLA-sourced 463L air pallet processing status code values 'C' and 'T' (NTE02 - DG 9801).<br>CHANGE NOTE: Code value '17' and user note added per DM 807.<br>[72-01] Contractual RDD Qualifier (DG 2001)<br>[73-01] Required Delivery Date (RDD) Qualifier (DG 2001)<br>[98-01] Date (UTC) Shipped to POE Qualifier (DG 3001)<br>[99-01] Required Delivery Date (RDD) Qualifier (DG 3001)<br>[186-01] Pallet Departure Date Qualifier (DG 9801) | **X ID 2/2** |

[187-01] Estimated Date Qualifier (DG 9801)
[188-01] Pallet Closed Date Qualifier (DG 9801)

| | |
|---|---|
| 17 | Estimated Delivery Date |
| | [71-01] Estimated Delivery Date<br>Use '17' to denote Estimated Date/Time Shipped to POE |
| 54 | Deliver No Later Than Date |
| | [43-01] Deliver No Later Than Date<br>Use '54' to denote RDD<br>[73-01] Deliver No Later Than Date<br>[99-01] Deliver No Later Than Date |
| BD | Required By |
| | The date when material is required to be on a site available for use |
| | [72-01] Required By<br>Use 'BD' to denote Contractual RDD |
| BP | Contract Closed |
| | Date contract was administratively completed and closed |
| | [188-01] Contract Closed<br>Use 'BP' to denote Pallet Closed Date |
| BR | Date Delivery Commenced |
| | Date that delivery process is initiated |
| | [186-01] Date Delivery Commenced<br>Use 'BR' to denote Pallet Departure Date. Name Description |
| SE | Date Shipped to Port of Embarkation (POE) |
| | [42-01] Date Shipped to Port of Embarkation (POE)<br>[71-01] Date Shipped to Port of Embarkation (POE)<br>[98-01] Date Shipped to Port of Embarkation (POE)<br>[187-01] Date Shipped to Port of Embarkation (POE)<br>Use 'SE' to denote Estimated Date Arrival at APOE |

**>> G6202 373 Date X DT 8/8**

Date expressed as CCYYMMDD

[42-02] Date (UTC) Shipped to POE (DG 1001)
For air shipments, the date appears in DTR TCMD T_0/1/2/4 record. This date is paired with the time in G6204. The DTR value is an ordinal number that represents a day of the year on a 365 day calendar. Convert the ordinal to a standard date format of CCYYMMDD. (Example: ordinal value 23 could equal days 23, 123, 223, or 323.)

For water shipments, the date appears in Julian format in DTR TCMD T_0/1/2/4 record positions 60/62. That value should be converted to the CCYYMMDD
format and carried here.
[43-02] Required Delivery Date (RDD) (UTC) (DG 1001)
This is the calendar date, specified by the requisitioner, when material is required by the requisitioner. It is not a date assigned by the shipper.
[71-02] Date (UTC) Shipped to POE (DG 2001)
For air shipments, the date appears in DTR TCMD T_2 record positions 61/62. This date is paired with the time in G6204. The DTR value is an ordinal number that represents a day of the year on a 365 day calendar. Convert the ordinal to a standard date format of CCYYMMDD. (Example: ordinal value 23 could equal days 23, 123, 223, or 323).

For water shipments, the date appears in Julian format in DTR TCMD T_2 record positions 60/62.
[72-02] Contractual RDD (DG 2001)
Enter the contractual booking RDD which was accepted by the ocean carrier during the booking process as YYYYMMDD. Specify date in Coordinated Universal Time (UTC).

[73-02] Required Delivery Date (RDD) (UTC) (DG 2001)
If DTR TCMD T_2 record positions 54/56 are other than 1 to 366, then map to H302 (HL loop position 105) as an expedited handling code.
[98-02] Date (UTC) Shipped to POE (DG 3001)
For air shipments, the date appears in DTR TCMD T_3 record positions 61/62. This date is paired with the time in G6204. The DTR value is an ordinal number that represents a day of the year on a 365 day calendar. Convert the ordinal to a standard date format of CCYYMMDD. (Example: ordinal value 23 could equal days 23, 123, 223, or 323)

For water shipments, the date appears in Julian format in DTR TCMD T_3 record positions 60/62.
[99-02] Required Delivery Date (RDD) (DG 3001)
If DTR TCMD T_3 record positions 54/56 are other than 1 to 366, then map to H302 (HL loop position 105) as an expedited handling code.
[186-02] Pallet Departure Date (UTC) from APOE (DG 9801)
Enter Pallet Departure Date (UTC) from APOE using CCYYMMDD format.
[187-02] Estimated Date (UTC) Arrival at APOE (DG 9801)
Enter Estimated Date (UTC) Arrival at APOE using CCYYMMDD format.
[188-02] Pallet Closed Date (UTC) (DG 9801)
Enter date (UTC) pallet closed using CCYYMMDD format.

| | | | | | |
|---|---|---|---|---|---|
| >> | **G6203** | **176** | **Time Qualifier** | **X** | **ID 1/2** |

Code specifying the reported time

[42-03] Estimated Departure Time Qualifier (DG 1001)
ELEMENT CONDITION: Required for and used only for air shipments.
[71-03] Time (UTC) Shipped to APOE Qualifier (DG 2001)
ELEMENT CONDITION: Required for and used only for air shipments.
[98-03] Time (UTC) Shipped to APOE Qualifier (DG 3001)
ELEMENT CONDITION: Required for and used only for air shipments.
[186-03] Pallet Departure Time Qualifier (DG 9801)
[187-03] Estimated Time Qualifier (DG 9801)

| | |
|---|---|
| A | Actual Departure Time |
| | [186-03] Actual Departure Time |
| D | Estimated Departure Time |
| | [42-03] Estimated Departure Time<br>[71-03] Estimated Departure Time<br>[98-03] Estimated Departure Time |
| E | Estimated Arrival Time |
| | [187-03] Estimated Arrival Time<br>Use 'E' to denote Estimated Time Arrival at APOE |

| | | | | | |
|---|---|---|---|---|---|
| >> | **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)

[42-04] Time (UTC) Shipped to APOE (DG 1001)
Enter time in 24 hr time format (HHMM).
ELEMENT CONDITION: Required for and used only for air shipments.
[71-04] Time (UTC) Shipped to APOE (DG 2001)
Enter time in 24 hr time format (HHMM).
ELEMENT CONDITION: Required for and used only for air shipments.
[98-04] Time (UTC) Shipped to APOE (DG 3001)
Enter time in 24 hr time format (HHMM).
ELEMENT CONDITION: Required for and used only for air shipments.
[186-04] Pallet Departure Time (UTC) from APOE (DG 9801)
Enter Pallet Departure Time (UTC) from APOE using HHMM format.
[187-04] Estimated Time (UTC) Arrival at APOE (DG 9801)
Enter Estimated Time (UTC) Arrival at APOE using HHMM format.

| | | | | | |
|---|---|---|---|---|---|
| | **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

[42-05] UTC Date/Time Zone Indicator (DG 1001)
Use Universal Time Coordinate (UTC), also referred to as Greenwich Mean Time (GMT), for both G6202 and G6204.
ELEMENT CONDITION: Required for and used only for air shipments.
SOURCE: ISO 8601 available from American National Standards Institute
[71-05] UTC Date/Time Zone Indicator (DG 2001)
Universal Time Coordinate (UTC), also referred to as Greenwich Mean Time (GMT), for both G6202 and G6204.
ELEMENT CONDITION: Required for and used only for air shipments.
SOURCE: ISO 8601 available from American National Standards Institute
[98-05] UTC Date/Time Zone Indicator (DG 3001)
Use Universal Time Coordinate (UTC), also referred to as Greenwich Mean Time (GMT), for both G6202 and G6204.
ELEMENT CONDITION: Required and used only for air shipments.
SOURCE: ISO 8601 available from American National Standards Institute

| | |
|---|---|
| UT | Universal Time Coordinate |
| | [42-05] Universal Time Coordinate<br>[71-05] Universal Time Coordinate<br>[98-05] Universal Time Coordinate |

**Segment:** **NTE** **Note/Special Instruction**
**Position:** 140
**Loop:** HL Mandatory
**Level:** Detail
**Usage:** Optional (Must Use)
**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:** [44] NTE SEGMENT - Shipment Unit Adjustment Code (DG 1001)
SEGMENT CONDITION: Use this segment only when BX01 contains code value '03' or '04'.
[74] NTE SEGMENT - Shipment Unit Adjustment Code (DG 2001)
SEGMENT CONDITION: Use this segment only when BX01 contains code value '03' or '04'.
[100] NTE SEGMENT - Shipment Unit Adjustment Code (DG 3001)
CHANGE NOTE: Segment added per DM 704B.
SEGMENT CONDITION: Use this segment only when BX01 contains code value '03' or '04'.
[109] NTE SEGMENT - Model Number (DG 5001)
SEGMENT CONDITION: Applies to Government vehicles, trailers, tracked/wheeled guns, and aircraft.
[110] NTE SEGMENT - Nomenclature (DG 5001)
SEGMENT CONDITION: Applies to Government vehicles, trailers, wheeled or tracked guns, and aircraft.
[111] NTE SEGMENT - Vehicle Year (DG 5013)
SEGMENT CONDITION: For vehicles shipped to Central or South America.
[112] NTE SEGMENT - Vehicle Make (DG 5013)
SEGMENT CONDITION: For vehicles shipped to Central or South America.
[119] NTE SEGMENT - Nomenclature (DG 6001)
SEGMENT CONDITION: For a non-hazardous, single line item shipment, enter the Nomenclature of the item. When multiple, non-hazardous line items are consolidated and the consolidation container comprises 51 percent or more by weight of a single NSN, enter the Nomenclature of the items that comprise 51 percent or more of the shipment weight.
[120] NTE SEGMENT - Protective Service (DG 6016)
CHANGE NOTE: Title changed and user note modified per DM 842.
SEGMENT CONDITION: Use for transportation protective service requirements in accordance with the descriptions in Appendix Z or LL of the DTR Part II.
[121] NTE SEGMENT - HAZMAT Goods Packaged Prior to January 1990 Indicator (DG 6016)
SEGMENT CONDITION: The statement: 'GOVERNMENT-OWNED GOODS PACKAGED BEFORE 1 JANUARY 1990' is required if HAZMAT item was originally packaged prior to 1 January 1990.
[145] NTE SEGMENT - POV Year (DG 8001)
SEGMENT CONDITION: Required when describing POV.
[146] NTE SEGMENT - Personal Property GBL (PPGBL) (DG 8013)
SEGMENT CONDITION: Use for property shipped under a Personal Property GBL (PPGBL).
[147] NTE SEGMENT- PPGBL Origin Carrier Name (DG 8013)
SEGMENT CONDITION: Use for property shipped under a PPGBL.
[148] NTE SEGMENT - USAF TDY Travel Order Number and ADSN/Fiscal Station Number (DG 8017)
Use additional NTE segments, as required, to list the organization and address that issued the orders, including sufficient data to allow Air Mobility Command (AMC) billing.
SEGMENT CONDITION: Required for unaccompanied baggage of TDY USAF

personnel, military and civilian, to list the travel order number and the Accounting Disbursing Station Number (ADSN)/fiscal station number from the DD Form 1610, "Request and Authorization TDY Travel of DoD Personnel."
[157] NTE SEGMENT - General Miscellaneous and Pertinent Information (DG 9013)
SEGMENT CONDITION: Use this segment for pertinent information, including clear text data and in-the-clear consignee address information, necessary for shipment but not detailed in other data entries.
[158] NTE SEGMENT - Unit Deployment Information (ULN) (DG 9013)
SEGMENT CONDITION: Required for unit move cargo to identify unit line number (ULN) deployment information for unit move TCNs.
[159] NTE SEGMENT - Transportation Tracking Account Number (TTAN) (DG 9013)
CHANGE NOTE: Segment added per DM 887.
SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.
[160] NTE SEGMENT - Not Otherwise Specified (NOS) Type Cargo (DG 9013)
SEGMENT CONDITION: Required when Not Otherwise Specified (NOS) cargo description applies.
[161] NTE SEGMENT - Liquor Type (DG 9013)
SEGMENT CONDITION: Use when type of liquor entry applies.
[162] NTE SEGMENT - Liquor Bottle Size (DG 9013)
SEGMENT CONDITION: Use when Liquor Bottle Size entry applies.
[163] NTE SEGMENT - Liquor Bottles per Case (DG 9013)
SEGMENT CONDITION: Use when Liquor Bottles per Case entry applies.
[164] NTE SEGMENT - Cigarette Information (DG 9013)
SEGMENT CONDITION: Use for shipment of cigarettes.
[165] NTE SEGMENT - CONUS to Hawaii/Guam Rating Information (DG 9013)
SEGMENT CONDITION: Use for shipments between CONUS and Hawaii or Guam to carry the clear text National Motor Freight Classification or Standard Transportation Commodity Code description of the highest rated article in the shipment unit other than HAZMAT.
[166] NTE SEGMENT - Active RFID Tag Serial Number (DG 9013)
SEGMENT CONDITION: Use to indicate the serial number of the active RFID tag attached to the shipment unit.
[189] NTE SEGMENT - Pallet Processing Status Code (DG 9801)
SEGMENT CONDITION: Required for DLA built pallets that are sent to an AMC aerial port for onward movement.
[190] NTE SEGMENT - Onward Mode/Method (DG 9801)

**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>[44-01] Shipment Unit Adjustment Code Qualifier (DG 1001)<br>[74-01] Shipment Unit Adjustment Code Qualifier (DG 2001)<br>[100-01] Shipment Unit Adjustment Code Qualifier (DG 3001)<br>[109-01] Model Number Qualifier (DG 5001)<br>[110-01] Nomenclature Qualifier (DG 5001)<br>[111-01] Vehicle Year Qualifier (DG 5013)<br>[112-01] Vehicle Make Qualifier (DG 5013)<br>[119-01] Nomenclature Qualifier (DG 6001)<br>[120-01] Protective Service Qualifier (DG 6016)<br>CHANGE NOTE: Code definition changed per DM 842.<br>[121-01] HAZMAT Goods Package Prior to January 1990 Qualifier (DG 6016)<br>[145-01] POV Year Qualifier (DG 8001)<br>CHANGE NOTE: Change code definition per DM 847.<br>[146-01] PPGBL Qualifier (DG 8013)<br>[147-01] PPGBL Origin Carrier Name Qualifier (DG 8013)<br>[148-01] Travel Order Number and ADSN/Fiscal Station Number Qualifier (DG 8017)<br>[157-01] General Miscellaneous and Pertinent Information Qualifier (DG | **O ID 3/3** |

| | |
|---|---|
| | 9013)<br>[158-01] ULN Qualifier (DG 9013)<br>[159-01] Transportation Tracking Account Number (TTAN) Qualifier (DG 9013)<br>[160-01] NOS Qualifier (DG 9013)<br>[161-01] Liquor Type Qualifier (DG 9013)<br>[162-01] Liquor Bottle Size Qualifier (DG 9013)<br>[163-01] Liquor Bottles per Case Qualifier (DG 9013)<br>[164-01] Cigarette Information Qualifier (DG 9013)<br>[165-01] CONUS to Hawaii/Guam Rating Information Qualifier (DG 9013)<br>[166-01] Active RFID Tag Serial Number Qualifier (DG 9013)<br>CHANGE NOTE: Change code value from 'CAR' to 'RFL' per DM 847.<br>[189-01] Pallet Processing Status Code Qualifier (DG 9801)<br>[190-01] Onward Mode/Method Qualifier (DG 9801) |
| AAA | Agent Details |
| | [147-01] Agent Details<br>Use 'AAA' to denote PPGBL Origin Carrier Name |
| ABN | Abbreviated Nomenclature |
| | [119-01] Abbreviated Nomenclature<br>Use 'ABN' to denote Full Available Nomenclature |
| ACN | Action Taken |
| | [44-01] Action Taken<br>Use 'ACN' to denote Shipment Unit Adjustment Code<br>[74-01] Action Taken<br>Use 'ACN' to denote Shipment Unit Adjustment Code<br>[100-01] Action Taken<br>Use 'ACN' to denote Shipment Unit Adjustment Code |
| ADD | Additional Information |
| | [157-01] Additional Information |
| BOL | Bill of Lading Note |
| | [146-01] Bill of Lading Note<br>Use 'BOL' to denote PPGBL |
| CAC | Relationship Information |
| | [163-01] Relationship Information |
| CAI | General Business Description |
| | [162-01] General Business Description<br>Use 'CAI' to denote Liquor Bottle Size |
| CAR | Other Related Information |
| | [111-01] Other Related Information<br>Use 'CAR' to denote Vehicle Year<br>[145-01] Other Related Information<br>Use 'CAR' to denote Vehicle Year |
| CBI | Description of Title |
| | [112-01] Description of Title<br>Use 'CBI' to denote Vehicle Make |
| CIG | Cigarette Information |
| | [164-01] Cigarette Information |
| EED | Equipment Description |
| | [110-01] Equipment Description<br>Use 'EED' to denote Nomenclature |
| EMD | Estimate Method Description |
| | [190-01] Estimate Method Description<br>Use 'EMD' to denote Onward Mode/Method |
| LIQ | Liquor Information |
| | [161-01] Liquor Information<br>Use 'LIQ' to denote Type of Liquor |
| OCR | Outside the Continental U.S. (OCONUS) Rating Information |

| | | | | |
|---|---|---|---|---|
| | | | | [165-01] Outside the Continental U.S. (OCONUS) Rating Information<br>Use 'OCR' to denote CONUS to Hawaii/Guam Rating Information |
| | | | ORI | Order Instructions |
| | | | | [148-01] Order Instructions<br>Use 'ORI' to denote Travel Order Number and ADSN/Fiscal Station Number |
| | | | OTN | Another Type of Number Description |
| | | | | [109-01] Another Type of Number Description<br>Use 'OTN' to denote Model Number<br>[158-01] Another Type of Number Description<br>Use 'OTN' to denote Unit Line Number for a TPFDD Move |
| | | | PCS | Process Specification |
| | | | | [189-01] Process Specification<br>Use 'PCS' to denote Pallet Processing Status Code |
| | | | RFL | Reason for Leaving |
| | | | | [166-01] Reason for Leaving<br>Use 'RFL' to denote  Active RFID Tag Serial Number |
| | | | SSH | Security Service Information |
| | | | | [120-01] Security Service Information<br>Use 'SSH' to denote Protective Service |
| | | | TCF | Tariff Commodity Footnotes |
| | | | | [159-01] Tariff Commodity Footnotes<br>Use 'TCF' to denote Transportation Tracking Account Number (TTAN) |
| | | | VEC | Verification Comments |
| | | | | [121-01] Verification Comments<br>Use 'VEC' to denote HAZMAT item was originally packaged prior to 1 January 1990 |
| | | | ZZZ | Mutually Defined |
| | | | | [160-01] Mutually Defined<br>Use 'ZZZ' to denote NOS Type Cargo Information |
| **M** | **NTE02** | **352** | **Description** | **M AN 1/80** |
| | | | A free-form description to clarify the related data elements and their content | |
| | | | [44-02] Shipment Unit Adjustment Code (DG 1001)<br>For BX01 code value '03' enter value 'Deletion'; For BX01 code value '04' enter value 'Correction', followed by the date in CCYYMMDD format.<br>[74-02] Shipment Unit Adjustment Code (DG 2001)<br>Enter the following values that correspond to code value contained in BX01:<br><br>For BX01 code value '03' enter value 'Deletion'<br>For BX01 code value '04' enter value 'Correction',<br><br>followed by the date in CCYYMMDD format<br>[100-02] Shipment Unit Adjustment Code (DG 3001)<br>Enter the date in CCYYMMDD format, preceded by one of the following values, corresponding to code value contained in BX01:<br><br>For BX01 code value '03', enter value 'Deletion' followed by date.<br>For BX01 code value '04' enter value 'Correction' followed by date.<br>[109-02] Model Number (DG 5001)<br>[110-02] Nomenclature (DG 5001)<br>Enter the nomenclature of the item. Applies to Government vehicles, trailers, tracked/wheeled guns, aircraft, and outsize general cargo.<br>[111-02] Vehicle Year (DG 5013)<br>Enter vehicle year for vehicle shipped to Central/South America.<br>[112-02] Vehicle Make (DG 5013) | |

Enter vehicle make for vehicle shipped to Central/South America.
[119-02] Nomenclature (DG 6001)
[120-02] Protective Service (DG 6016)
Enter as free-form, abbreviated text the transportation protective service requirements in accordance with the descriptions in Appendix Z or LL of the DTR Part II.
CHANGE NOTE: Title and user note changed per DM 842.
SOURCE: Defense Transportation Regulations
[121-02] HAZMAT Goods Packaged Prior to January 1990 Indicator (DG 6016)
Insert the following value: 'GOVERNMENT-OWNED GOODS PACKAGED BEFORE 1 JANUARY 1990'.
[145-02] POV Year (DG 8001)
Enter POV year.
[146-02] PPGBL Number (DG 8013)
Enter origin PPGBL number.
[147-02] PPGBL Origin Carrier Name (DG 8013)
Enter name of origin carrier.
[148-02] Travel Order Number and ADSN/Fiscal Station Number (DG 8017)
Enter the travel order number and the ADSN/fiscal station number from the DD Form 1610, "Request and Authorization for TDY Travel of DoD Personnel."
[157-02] General Miscellaneous and Pertinent Information (DG 9013)
Enter clear text miscellaneous data here.
[158-02] ULN (DG 9013)
Enter the unit line number.
[159-02] Transportation Tracking Account Number (TTAN) (DG 9013)
[160-02] Description of NOS Type Cargo Code (DG 9013)
[161-02] Liquor Information (DG 9013)
Enter type of Liquor.
[162-02] Liquor Bottle Size (DG 9013)
Enter Liquor Bottle Size.
[163-02] Liquor Bottles per Case (DG 9013)
Enter number of bottles per case.
[164-02] Cigarette Information (DG 9013)
Enter the number of cartons per case.
[165-02] CONUS to Hawaii/Guam Rating Information (DG 9013)
Enter the clear text National Motor Freight Classification or Standard Transportation Commodity Code description of the highest rated article in the shipment unit.
[166-02] Active RFID Tag Serial Number (DG 9013)
Enter the active RFID tag serial number used for in transit visibility tracking of the tag.

CHANGE NOTE: Length attribute changed to 1/32 per DM 1001.
[189-02] Pallet Processing Status Code (DG 9801)
Use the following values as indicated:
[190-02] Onward Mode/Method (DG 9801)
NOTE: Changed attribute length fom 1/1 to 1/2 per DM 896.
SOURCE: DTR Part II, Appendix GG

| | |
|---|---|
| C | New Code Added by IC |
| | [189-02] Pallet Closed |
| D | New Code Added by IC |
| | [189-02] Driver Sign-off |
| T | New Code Added by IC |
| | [189-02] Truck Closed |
| U | New Code Added by IC |
| | [189-02] Un-offered. |

**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:**
[45] L0 SEGMENT - Piece, Weight, Cube and Type Pack (DG 1001)
[75] L0 SEGMENT - SEAVAN/RORO/463L Piece, Weight, Cube, and Type Pack (DG 2001)
[101] L0 SEGMENT - Piece, Weight, Cube and Type Pack (DG 3001)
[113] L0 SEGMENT - Pieces, Piece Weight, Piece Cube, and Dimensions (DG 5001) Each DG 5001 will contain pieces, piece weight, piece cube, and dimensions. This segment creates a loop that contains MEA segments.
[122] L0 SEGMENT - HAZMAT Ammunition Round Count (DG 6001)
SEGMENT CONDITION: If Use this segment/loop for ammunition shipments only. This segment is required for X12 compliance to create a loop that contains MEA segments.
[138] L0 SEGMENT - Lot Number Information (DG 7001) Each L0 segment reflects the round count, weight, and cube of the lot or shipment unit being described. If a shipment unit contains multiple lots, create additional HL loops with associated information for each lot.
[149] L0 SEGMENT - DPM Shipment Net Weight (DG 8001)
SEGMENT CONDITION: Use for DPM shipments from activities OCONUS (outside CONUS) to CONUS.
[191] L0 SEGMENT - Total Weight, Cube, Pieces for 463L Pallet Load (DG 9801)
[192] L0 SEGMENT - Cargo Weight (DG 9801)
LOOP CONDITION: Mandatory except for DLA shipments.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| >> | **L001** | **213** | **Lading Line Item Number**<br>Sequential line number for a lading item<br>[122-01] Compliance Number (DG 6001)<br>Use the value one (1) to satisfy X12 syntax requirements. | **O** | **N0 1/3** |
| **X** | **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 | **X** | **R 1/11** |
| **X** | **L003** | **221** | **Billed/Rated-as Qualifier**<br>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** | **ID 2/2** |
| >> | **L004** | **81** | **Weight**<br>Numeric value of weight<br>[45-04] Total Weight of Shipment Unit (DG 1001) | **X** | **R 1/10** |

Express total weight of shipment unit in whole pounds. Round up to a whole number.
[75-04] Weight of SEAVAN/RORO/463L (DG 2001)
For SEAVAN, enter the weight of the contents. For ROROs, enter the weight of the RORO plus its contents. For 463L enter weight of pallet plus its contents.
[101-04] Total Weight of Shipment Unit (DG 3001)
Enter total weight of the consolidated shipment and its contents in whole pounds.
[113-04] Weight of a Single Piece (DG 5001)
Enter weight of the piece (whole number) to which the MEA segment (HL loop position 160) dimensions apply.
[138-04] Weight per Lot Number (DG 7001)
Enter the total shipping weight (L011) of the MIL-STD-129 defined unit packs for the Lot Number or for that part of the shipment unit that does not have a Lot Number.
[149-04] DPM Shipment Net Weight (DG 8001)
Activities outside CONUS (OCONUS) enter net weight of DPM shipments to CONUS.
[191-04] Total Scale Weight for 463L Pallet Load (DG 9801)
ELEMENT CONDITION: Enter total shipping weight (including pallet, nets, chains, straps, devices, etc.) if available.
[192-04] Cargo Weight (DG 9801)
Enter total Cargo Weight less weight of pallet, nets, chains, straps, devices, etc.

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

Code defining the type of weight

[45-05] Weight Type Code (DG 1001)
[75-05] Weight of SEAVAN/RORO/463L Qualifier (DG 2001)
[101-05] Gross Weight Qualifier (DG 3001)
[113-05] Weight Qualifier for a Single Piece (DG 5001)
[138-05] Weight Qualifier (DG 7001)
ELEMENT CONDITION: Required if L004 is used.
[149-05] DPM Shipment Net Weight Qualifier (DG 8001)
[191-05] Weight Type Code (DG 9801)
ELEMENT CONDITION: Required if L004 is used.
[192-05] Weight Qualifier (DG 9801)

| | |
|---|---|
| G | Gross Weight |
| | [45-05] Gross Weight<br>[75-05] Gross Weight<br>Use 'G' to denote Weight for RORO<br>[101-05] Gross Weight<br>[113-05] Gross Weight<br>[138-05] Gross Weight<br>[191-05] Gross Weight |
| N | Actual Net Weight |
| | [75-05] Actual Net Weight<br>[149-05] Actual Net Weight<br>[192-05] Actual Net Weight |

| | | | | | |
|---|---|---|---|---|---|
| >> | **L006** | **183** | **Volume** | **X** | **R 1/8** |

Value of volumetric measure

[45-06] Total Cube of Shipment Unit (DG 1001)
Express total cube of all pieces in the shipment unit in cubic feet. Round up to a whole number.
[75-06] Cube of SEAVAN/RORO/463L (DG 2001)
Enter the cube of the contents for a SEAVAN shipment. For 463L enter the total cube of the 463L pallet plus its contents. Enter the total cube of the RORO (total cube is based on length, width, and height of RORO, including any exposed cargo). All cube entries should be rounded to whole numbers.

CHANGE NOTE: Reference to whole numbers added per DM 810.

[101-06] Total Cube of Shipment Unit (DG 3001)
Enter the total cube of the consolidated shipment. Total cube is based on length, width, and height of the consolidated shipment, including any exposed cargo. All cube entries should be rounded to whole numbers.
CHANGE NOTE: Reference to whole numbers added per DM 810.
[113-06] Cube of a Single Piece (DG 5001)
Enter cube of the piece (whole number) to which the MEA segment (HL loop position 160) dimensions apply.
[138-06] Cube per Lot Number (DG 7001)
Enter the total cube (L007) of the MIL-STD-129 defined unit packs for the Lot Number or for that part of the shipment unit that does not have a Lot Number. All cube entries should be rounded to whole numbers.
CHANGE NOTE: Reference to whole numbers added per DM 810.
[191-06] Total Cube of 463L Pallet Load (DG 9801)
All cube entries should be rounded to whole numbers.

CHANGE NOTE: Reference to whole numbers added per DM 810.

| | | | | | |
|---|---|---|---|---|---|
| >> | **L007** | **184** | **Volume Unit Qualifier** | **X** | **ID 1/1** |
| | | | Code identifying the volume unit | | |

[45-07] Cube Qualifier (DG 1001)
[75-07] Cube of SEAVAN/RORO/463L Qualifier (DG 2001)
[101-07] Cube Qualifier (DG 3001)
[113-07] Cube Qualifier (DG 5001)
[138-07] Cube per Lot Number Qualifier (DG 7001)
ELEMENT CONDITION: Required if L006 is used.
[191-07] Cube Qualifier (DG 9801)

| | |
|---|---|
| E | Cubic Feet |
| | [45-07] Cubic Feet<br>[75-07] Cubic Feet<br>[101-07] Cubic Feet<br>[113-07] Cubic Feet<br>[138-07] Cubic Feet |
| N | Cubic Inches |
| | [191-07] Cubic Inches |

| | | | | | |
|---|---|---|---|---|---|
| >> | **L008** | **80** | **Lading Quantity** | **X** | **N0 1/7** |
| | | | Number of units (pieces) of the lading commodity | | |

[45-08] Number of Pieces for the Shipment Unit (DG 1001)
Express the number of separate pieces for the shipment unit that are not unitized. If the separate pieces are banded to a pallet, then the piece count is one (1).
[75-08] Total Number of Pieces (DG 2001)
For SEAVAN enter actual number of shipment unit pieces loaded in the SEAVAN. For RORO or 463L always enter the value one (1).
[101-08] Number of Pieces for the Shipment Unit (DG 3001)
Enter value one (1).
[113-08] Pieces (DG 5001)
Enter the number of shipment unit pieces to which the MEA segment (HL loop position 160) dimensions apply. Enter zero (0) for estimated number of pieces.
CHANGE NOTE: Use L008 (rather than L010) for Pieces per DM 762.
[138-08] Round Count per Lot Number (DG 7001)
Enter the number of munitions pieces (Round Count) for the Lot Number or for that part of the shipment unit that does not have a Lot Number.
[191-08] Total Pieces on the Pallet (DG 9801)
Enter the total number of pieces for the shipment units documented on the pallet. If the pallet and its contents have been documented as one shipment unit (a single TCN) then it will only be one piece.

| | | | | | |
|---|---|---|---|---|---|
| >> | **L009** | **211** | **Packaging Form Code** | **X** | **ID 3/3** |
| | | | Code for packaging form of the lading quantity | | |

[45-09] Type Pack Code (DG 1001)
Select appropriate three-position Type Pack Code that describes the type pack

for the Shipment Unit.

PLL - [Migration Code] 463L pallet.
[75-09] Type Pack Code (DG 2001)
[101-09] Type Pack Code (DG 3001)
PLL - [Migration Code] 463L pallet.
[113-09] Pieces Qualifier (DG 5001)
[138-09] Round Count per Lot Number Qualifier (DG 7001)
ELEMENT CONDITION: Required if L008 is used.
[191-09] Pieces Qualifier (DG 9801)
CHANGE NOTE: Data element added per DM 810.

| | |
|---|---|
| AMM | Ammo Pack |
| | [138-09] Ammo Pack<br>Use 'AMM' to denote Round Count |
| BAG | Bag |
| | [45-09] Bag<br>Use 'BAG' to denote Bag, burlap or cloth<br>[101-09] Bag<br>Use 'BAG' to denote Bag, burlap or cloth |
| BAL | Bale |
| | [45-09] Bale<br>[101-09] Bale |
| BBL | Barrel |
| | [45-09] Barrel<br>[101-09] Barrel |
| BDL | Bundle |
| | [45-09] Bundle<br>[101-09] Bundle |
| BOX | Box |
| | [45-09] Box<br>[101-09] Box |
| BSK | Basket or hamper |
| | [45-09] Basket or hamper<br>Use 'BSK' to denote Basket<br>[101-09] Basket or hamper<br>Use 'BSK' to denote Basket |
| CAB | Cabinet |
| | [45-09] Cabinet<br>[101-09] Cabinet |
| CAN | Can |
| | [45-09] Can<br>[101-09] Can |
| CAS | Case |
| | [45-09] Case<br>[101-09] Case |
| CBY | Carboy |
| | [45-09] Carboy<br>[101-09] Carboy |
| CNA | Household Goods Containers, Wood |
| | [45-09] Household Goods Containers, Wood<br>Use 'CNA' to denote HHG containers, wood<br>[101-09] Household Goods Containers, Wood<br>Use 'CNA' to denote HHG containers, wood |
| CNB | Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air<br>An air container conforming to ISO standards |
| | [45-09] Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light |

| | |
|---|---|
| | Weight 8x8x20 Foot Air<br>Use 'CNB' to denote Container, MAC-ISO, lt. wgt. 8x8x20 foot air<br>[101-09] Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air<br>Use 'CNB' to denote Container, MAC-ISO, lt. wgt. 8x8x20 foot air |
| CNC | Container, Navy Cargo Transporter |
| | [45-09] Container, Navy cargo transporter<br>[101-09] Container, Navy cargo transporter |
| CND | Container, Commercial Highway Lift |
| | [45-09] Container, commercial highway lift<br>[101-09] Container, commercial highway lift |
| CNE | Engine Container |
| | [45-09] Engine Container<br>[101-09] Engine Container |
| CNF | Multiwall Container Secured to Warehouse Pallet |
| | [45-09] Multiwall Container Secured to Warehouse Pallet<br>Use 'CNF' to denote Multiwall container secured to warehouse pit<br>[101-09] Multiwall Container Secured to Warehouse Pallet<br>Use 'CNF' to denote Multiwall container secured to warehouse pit |
| CNT | Container |
| | [45-09] Container<br>Use 'CNT' to denote Container, other than CC, CM, CU, CW, MW, MX<br>[101-09] Container<br>Use 'CNT' to denote Container, other than CC, CM, CU, CW, MW, MX |
| CNX | CONEX - Container Express |
| | An 8x8x8-foot container used for packaging and shipping military material |
| | [45-09] CONEX - Container Express<br>Use 'CNX' to denote CONEX (Gov't owned container)<br>[101-09] CONEX - Container Express<br>Use 'CNX' to denote CONEX (Gov't owned container) |
| COL | Coil |
| | [45-09] Coil<br>[101-09] Coil |
| CRD | Cradle |
| | [45-09] Cradle<br>Use 'CRD' to denote Engine cradle or dolly<br>[101-09] Cradle<br>Use 'CRD' to denote Engine cradle or dolly |
| CRT | Crate |
| | [45-09] Crate<br>[101-09] Crate |
| CTN | Carton |
| | [45-09] Carton<br>[101-09] Carton |
| CYL | Cylinder |
| | [45-09] Cylinder<br>[101-09] Cylinder |
| DRM | Drum |
| | A large container with a cylindrical shape; top may have |

| | |
|---|---|
| | removable or sealed top sides may be fiberboard or metal<br>[45-09] Drum<br>[101-09] Drum |
| DUF | Duffle Bag |
| | [45-09] Duffle Bag<br>Use 'DUF' to denote Dufflebag<br>[101-09] Duffle Bag<br>Use 'DUF' to denote Dufflebag |
| ENV | Envelope |
| | [45-09] Envelope<br>[101-09] Envelope |
| HPR | Hamper |
| | [45-09] Hamper<br>[101-09] Hamper |
| KEG | Keg |
| | [45-09] Keg<br>[101-09] Keg |
| LSE | Loose |
| | [45-09] Loose<br>Use 'LSE' to denote Loose, not packed<br>[101-09] Loose<br>Use 'LSE' to denote Loose, not packed |
| MLV | MILVAN - Military Van |
| | A 20-foot transportation van that conforms to ISO standards<br>[45-09] MILVAN - Military Van<br>Use 'MLV' to denote MILVAN<br>[101-09] MILVAN - Military Van<br>Use 'MLV' to denote MILVAN |
| MSV | MSCVAN - Military Sealift Command Van |
| | A 35-foot transportation van |
| | [45-09] MSCVAN - Military Sealift Command Van<br>Use 'MSV' to denote MSCVAN<br>[101-09] MSCVAN - Military Sealift Command Van<br>Use 'MSV' to denote MSCVAN |
| MXD | Mixed Type Pack |
| | [45-09] Mixed Type Pack<br>Use 'MXD' to denote Mixed<br>[101-09] Mixed Type Pack<br>Use 'MXD' to denote Mixed |
| PAL | Pail |
| | [45-09] Pail<br>[101-09] Pail |
| PCS | Pieces |
| | [45-09] Pieces<br>Use 'PCS' to denote Piece<br>[101-09] Pieces<br>Use 'PCS' to denote Piece<br>[113-09] Pieces<br>[191-09] Pieces |
| PLL | New Code Added by IC |
| | [45-09] 463L Air Pallet<br>[75-09] [Migration Code] 463L pallet<br>[101-09] 463L Air Pallet |
| PLT | Pallet |
| | [45-09] Pallet<br>Use 'PLT' to denote Palletized unit load other than code MW<br>[101-09] Pallet |

| | |
|---|---|
| | Use 'PLT' to denote Palletized unit load other than code MW |
| REL | Reel |
| | [45-09] Reel<br>[101-09] Reel |
| ROL | Roll |
| | [45-09] Roll<br>[101-09] Roll |
| SAK | Sack |
| | [45-09] Sack<br>Use 'SAK' to denote Sack, paper<br>[101-09] Sack<br>Use 'SAK' to denote Sack, paper |
| SCS | Suitcase |
| | [45-09] Suitcase<br>[101-09] Suitcase |
| SHT | Sheet |
| | [45-09] Sheet<br>[101-09] Sheet |
| SKD | Skid |
| | [45-09] Skid<br>[101-09] Skid |
| SKE | Skid, elevating or lift truck |
| | [45-09] Skid, elevating or lift truck<br>Use 'SKE' to denote Skid, box<br>[101-09] Skid, elevating or lift truck<br>Use 'SKE' to denote Skid, box |
| SPL | Spool |
| | [45-09] Spool<br>[101-09] Spool |
| SVN | SEAVAN - Sea Van |
| | A commercial or military 40-foot transportation container that conforms to ISO standards |
| | [45-09] SEAVAN - Sea Van<br>Use 'SVN' to denote SEAVAN<br>[101-09] SEAVAN - Sea Van<br>Use 'SVN' to denote SEAVAN |
| TBE | Tube |
| | [101-09] Tube |
| TBN | Tote Bin |
| | [75-09] Tote Bin<br>Use 'TBN' to denote SEAVAN<br>[101-09] Tote Bin<br>Use 'TBN' to denote SEAVAN - TOTE |
| TKR | Tank Car |
| | [101-09] Tank Car |
| TKT | Tank Truck |
| | [101-09] Tank Truck |
| TRK | Trunk and Chest |
| | [101-09] Trunk and Chest<br>Use 'TRK' to denote Footlocker (Trunk) |
| TRU | Truck |
| | [101-09] Truck |
| TUB | Tub |
| | [45-09] Tub<br>Use 'TUB' to denote Tube<br>[101-09] Tub |

| | | | | | |
|---|---|---|---|---|---|
| | | | UNT | Unit | |
| | | | | [45-09] Unit<br>Use 'UNT' to denote Unitized (use RT for unitized cargo on RORO)<br>[101-09] Unit<br>Use 'UNT' to denote Unitized (use RT for unitized cargo on RORO) | |
| | | | VEH | Vehicles | |
| | | | | [45-09] Vehicles<br>Use 'VEH' to denote Vehicle<br>[101-09] Vehicles<br>Use 'VEH' to denote Vehicle | |
| | | | VOC | New Code Added by IC | |
| | | | | [45-09] Vehicle in Operating Condition<br>[101-09] Vehicle in Operating Condition | |
| | | | VPK | Van Pack | |
| | | | | [45-09] Van Pack<br>Use 'VPK' to denote Van chassis<br>[101-09] Van Pack<br>Use 'VPK' to denote Van chassis | |
| | | | WHE | On Own Wheel | |
| | | | | [45-09] On Own Wheel<br>Use 'WHE' to denote RORO (roll-off, roll-on)<br>[75-09] On Own Wheel<br>Use 'WHE' to denote RORO<br>[101-09] On Own Wheel<br>Use 'WHE' to denote RORO (roll-off, roll-on) | |
| | | | WRP | Wrapped | |
| | | | | [45-09] Wrapped<br>[101-09] Wrapped | |
| >> | **L010** | **458** | **Dunnage Description** | | **O** **AN 2/25** |
| | | | Material used to protect lading | | |
| | | | [138-10] Lot Number (DG 7001)<br>Enter the Lot Number or, if no Lot Number is available, enter 'NO LOT NUMBER'. | | |
| >> | **L011** | **188** | **Weight Unit Code** | | **O** **ID 1/1** |
| | | | Code specifying the weight unit | | |
| | | | [113-11] Gross Weight Units Qualifier (DG 5001)<br>[138-11] Weight Unit Qualifier (DG 7001) | | |
| | | | L | Pounds | |
| | | | | [113-11] Pounds<br>[138-11] Pounds | |
| **X** | **L012** | **56** | **Type of Service Code** | | **O** **ID 2/2** |
| | | | Code specifying extent of transportation service requested | | |
| | | | Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| **X** | **L013** | **380** | **Quantity** | | **X** **R 1/15** |
| | | | Numeric value of quantity | | |
| **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. | | |
| **X** | **L015** | **1073** | **Yes/No Condition or Response Code** | | **X** **ID 1/1** |
| | | | Code indicating a Yes or No condition or response | | |
| | | | Refer to 004010 Data Element Dictionary for acceptable code values. | | |

**Segment:** **MEA** **Measurements**
**Position:** 160
**Loop:** L0 Optional (Must Use)
**Level:** Detail
**Usage:** Optional (Must Use)
**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:**
[76] MEA SEGMENT - Total Number of Shipment Units (DG 2001)
SEGMENT CONDITION: Not used for T_2 records for 463L pallets.
[114] MEA SEGMENT - Length (DG 5001)
[115] MEA SEGMENT - Width (DG 5001)
[116] MEA SEGMENT - Height (DG 5001)
[123] MEA SEGMENT - HAZMAT Total Round Count (DG 6001)
SEGMENT CONDITION: This segment is mandatory for ammunition.
[139] MEA SEGMENT - NEW (DG 7001)
SEGMENT CONDITION: Use this segment for Class/Division 1.1, 1.2, 1.3, 1.4 munitions to show the NEW for each Lot Number identified in L010 or for that part of the shipment unit that does not have a Lot Number. Use segment only once per Lot Number or shipment unit. If L010 is 'NO LOT NUMBER', enter NEW for shipment unit.
[193] MEA SEGMENT - Pallet Height (DG 9801)
SEGMENT CONDITION: Use for loaded 463L pallet.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | | Attributes | |
|---|---|---|---|---|---|---|
| >> | **MEA01** | **737** | **Measurement Reference ID Code** | | **O** | **ID 2/2** |
| | | | Code identifying the broad category to which a measurement applies | | | |
| | | | [76-01] Total Number of Shipment Units Count Qualifier (DG 2001)<br>[114-01] Dimensions Qualifier (DG 5001)<br>[115-01] Dimensions Qualifier (DG 5001)<br>[116-01] Dimensions Qualifier (DG 5001)<br>[123-01] HAZMAT Total Round Count Qualifier (DG 6001)<br>[139-01] NEW Qualifier (DG 7001)<br>[193-01] Pallet Dimensions Qualifier (DG 9801) | | | |
| | | | CT | Counts | | |
| | | | | [76-01] Counts<br>[123-01] Counts | | |
| | | | NX | Net Explosive Weight | | |
| | | | | [139-01] Net Explosive Weight | | |
| | | | PA | Pallet Dimensions | | |
| | | | | [193-01] Pallet Dimensions | | |
| | | | SD | Shipped Dimensions | | |
| | | | | [114-01] Shipped Dimensions<br>[115-01] Shipped Dimensions<br>[116-01] Shipped Dimensions | | |
| >> | **MEA02** | **738** | **Measurement Qualifier** | | **O** | **ID 1/3** |
| | | | Code identifying a specific product or process characteristic to which a measurement applies | | | |

[76-02] Total Number of Shipment Units Qualifier (DG 2001)
[114-02] Length of a Piece(s) Qualifier (DG 5001)
[115-02] Width of Pieces Qualifier (DG 5001)
[116-02] Height of Pieces Qualifier (DG 5001)
[193-02] Pallet Height Qualifier (DG 9801)

| | |
|---|---|
| HT | Height |
| | [116-02] Height<br>[193-02] Height |
| LN | Length |
| | [114-02] Length |
| SU | Shipped Units |
| | [76-02] Shipped Units |
| WD | Width |
| | [115-02] Width |

| | | | | | |
|---|---|---|---|---|---|
| >> | **MEA03** | **739** | **Measurement Value**<br>The value of the measurement | **X** | **R 1/20** |

[76-03] Total Number of Shipment Units (DG 2001)
Enter the total number of shipment units loaded in the SEAVAN or RORO.
[114-03] Length of a Piece(s) of the Shipment Unit (DG 5001)
Dimension measured in inches. T_5 59/59, which equals 'L', is not used in the 858 transaction.
[115-03] Width of a Piece(s) of the Shipment Unit (DG 5001)
Dimension measured in inches. T_5 63/63, which equals 'W', is not used in the 858 transaction.
[116-03] Height of a Piece(s) of the Shipment Unit (DG 5001)
Dimension measured in inches. T_5 67/67, which equals 'H', is not used in the 858 transaction.
[123-03] HAZMAT Total Round Count (DG 6001)
For ammunition, enter the Total Round Count in the shipment unit.
[139-03] NEW (DG 7001)
Enter NEW in pounds.
[193-03] Pallet Height (DG 9801)
Enter Pallet Height in inches.

| | | | | | |
|---|---|---|---|---|---|
| **X** | **MEA04** | **C001** | **Composite Unit of Measure**<br>To identify a composite unit of measure (See Figures Appendix for examples of use) | **X** | |
| **X** | **C00101** | **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. | **M** | **ID 2/2** |
| **X** | **C00102** | **1018** | **Exponent**<br>Power to which a unit is raised | **O** | **R 1/15** |
| **X** | **C00103** | **649** | **Multiplier**<br>Value to be used as a multiplier to obtain a new value | **O** | **R 1/10** |
| **X** | **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** |
| **X** | **C00105** | **1018** | **Exponent**<br>Power to which a unit is raised | **O** | **R 1/15** |
| **X** | **C00106** | **649** | **Multiplier**<br>Value to be used as a multiplier to obtain a new value | **O** | **R 1/10** |
| **X** | **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** |

| | | | | | |
|---|---|---|---|---|---|
| **X** | **C00108** | **1018** | **Exponent**<br>Power to which a unit is raised | **O** | **R 1/15** |
| **X** | **C00109** | **649** | **Multiplier**<br>Value to be used as a multiplier to obtain a new value | **O** | **R 1/10** |
| **X** | **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** |
| **X** | **C00111** | **1018** | **Exponent**<br>Power to which a unit is raised | **O** | **R 1/15** |
| **X** | **C00112** | **649** | **Multiplier**<br>Value to be used as a multiplier to obtain a new value | **O** | **R 1/10** |
| **X** | **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** |
| **X** | **C00114** | **1018** | **Exponent**<br>Power to which a unit is raised | **O** | **R 1/15** |
| **X** | **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:** [124] LH1 SEGMENT - HAZMAT Information (DG 6016)
LOOP CONDITION: Use a separate LH1 segment/loop for each HAZMAT item.

**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>[124-01] HAZMAT Information (DG 6016)<br>Use code value 'ZZ' to satisfy X12 syntax requirements. (Note: The HAZMAT Type Pack Code moved to data element LFH02 - HAZMAT Type Pack Code.)<br><br>CHANGE NOTE: Per DM 863 do the following: Rename LH101 data element. Remove reference to T_9 54/79. Select code value 'ZZ'. Replace user note as modified by FACTS guidance.<br>ZZ Mutually Defined<br>[124-01] Mutually Defined | **M** | **ID 2/2** |
| **M** | **LH102** | **80** | **Lading Quantity**<br>Number of units (pieces) of the lading commodity<br>[124-02] HAZMAT Type Pack Quantity (DG 6016)<br>For HAZMAT Type Pack Quantity enter the number of packages associated with the type of packaging referenced in the LFH (HAZMAT Type Pack Code) segment, data element LFH02.<br><br>CHANGE NOTE: Replace user note as modified by FACTS guidance per DM 863. | **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>[124-03] HAZMAT UN/NA Number (DG 6016)<br>CHANGE NOTE: User note modified per DM 838,<br>ELEMENT CONDITION: As applicable, enter value 'UN', value 'NA', or value 'ID' followed by four-position number.<br>SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications | **O** | **ID 6/6** |
| **X** | **LH104** | **200** | **Hazardous Materials Page**<br>The United Nations page number as required for the international transport of hazardous materials | **O** | **AN 1/6** |
| | **LH105** | **22** | **Commodity Code**<br>Code describing a commodity or group of commodities | **O** | **AN 1/30** |

[124-05] HAZMAT Weight (DG 6016)
CHANGE NOTE: User note corrected per DM 774.
ELEMENT CONDITION: Use when qualifier in LH106 refers to weight. Enter HAZMAT total quantity weight in pounds or kilograms except for Class 1 material which must be the net explosive mass (kilograms). For quantity exceptions, see 49 CFR 172.203.

| | | | | | |
|---|---|---|---|---|---|
| >> | **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

[124-06] HAZMAT Volume or Weight Qualifier (DG 6016)
CHANGE NOTE: User note modified per DM 838.

Select from the following code values from DE 355 to qualify weight or volume carried in either LH105 or LH107.

When code value 'ZZ' applies, use it to denote 'Radioactive' or 'MILS' data (volume).

| | |
|---|---|
| CC | Cubic Centimeter |
| | [124-06] Cubic Centimeter |
| CF | Cubic Feet |
| | [124-06] Cubic Feet |
| CR | Cubic Meter |
| | [124-06] Cubic Meter |
| GA | Gallon |
| | [124-06] Gallon |
| GR | Gram |
| | [124-06] Gram |
| GT | Gross Kilogram |
| | Represents kilograms of product and package or container |
| | [124-06] Gross Kilogram |
| KG | Kilogram |
| | [124-06] Kilogram |
| LB | Pound |
| | [124-06] Pound |
| LT | Liter |
| | [124-06] Liter |
| ML | Milliliter |
| | [124-06] Milliliter |
| PJ | Pounds, Decimal - Pounds per Square Foot - Pound Gage |
| | [124-06] Pounds, Decimal - Pounds per Square Foot - Pound Gage |
| PT | Pint |
| | [124-06] Pint |
| QS | Quart, Dry U.S. |
| | [124-06] Quart, Dry U.S. |
| ZZ | Mutually Defined |
| | [124-06] Mutually Defined<br>Use 'ZZ' to denote Radioactive or MILS data (volume), as applicable |

| | | | | | |
|---|---|---|---|---|---|
| | **LH107** | **380** | **Quantity** | **O** | **R 1/15** |

Numeric value of quantity

[124-07] HAZMAT Volume (DG 6016)
When qualifier in LH106 = 'ZZ', enter value zero (0) to denote that either Radioactive Activity Level is present or additional NTE segment contains MILS HAZMAT weight or volume information.

| | | | | | |
|---|---|---|---|---|---|
| | | | CHANGE NOTE: User note modified per DM 838.<br>ELEMENT CONDITION: Use when qualifier in LH106 refers to volume. Enter HAZMAT total quantity volume value in accordance with the unit of measure noted in LH106 (e.g., cubic feet, gallon). | | |
| **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. | | |
| **X** | **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<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| | **LH110** | **254** | **Packing Group Code** | **O** | **ID 1/3** |
| | | | Code indicating degree of danger in terms of Roman number I, II or III | | |
| | | | [124-10] HAZMAT Packing Group (DG 6016)<br>CHANGE NOTE: Requirement attributed changed to 'C' and user note replaced per DM 808.<br>ELEMENT CONDITION: As applicable, enter value 'I', 'II', or 'III' to denote PGI, PGII, or PGIII, when Packing Group is assigned.<br>SOURCE: The Canadian Gazette, Part II available from Canadian Government Publishing Centre Supply and Services Canada | | |
| **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:** [125] LH2 SEGMENT - HAZMAT Additional Information (DG 6016)
SEGMENT CONDITION: Use for HAZMAT additional information as appropriate. Repeat the LH2 segment up to four times to document the UN Class or Division Number for subsidiary hazards.

**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>[125-01] HAZMAT UN Class or Division Number (DG 6016)<br>ELEMENT CONDITION: As appropriate, enter the one- or two-digit hazard class or division number in accordance with 49 CFR or International Maritime Dangerous Goods Code (IMDGC). If two characters, the second position is a decimal value (e.g., 12 implies 1.2).<br>SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications | **O** | **ID 1/30** |
| **X** | **LH202** | **983** | **Hazardous Class Qualifier**<br>Code qualifying hazardous class<br>Refer to 004010 Data Element Dictionary for acceptable code values. | **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>[125-05] HAZMAT Reportable Quantity Indicator (DG 6016)<br>ELEMENT CONDITION: As appropriate, use to indicate that the hazardous material quantity meets or exceeds the quantity limit listed in 49 CFR.<br>RQ Reportable Quantity<br>[125-05] 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>[125-06] HAZMAT Flash Point Qualifier (DG 6016)<br>ELEMENT CONDITION: Required if HAZMAT Flash Point applies.<br>CE Centigrade, Celsius<br>[125-06] Centigrade, Celsius<br>FA Fahrenheit | **X** | **ID 2/2** |

| | | | | | |
|---|---|---|---|---|---|
| | | | [125-06] Fahrenheit | | |
| | **LH207** | **408** | **Temperature**<br>Temperature | **X** | **R 1/4** |
| | | | [125-07] HAZMAT Flash Point (DG 6016)<br>The flash point for flammable liquids, in degrees Centigrade (C) or Fahrenheit (F). (For example, '800F' might indicate a closed cup flashpoint of 800 degrees Fahrenheit.) | | |
| **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:** [126] LH3 SEGMENT - HAZMAT Proper Shipping Name (DG 6016)
SEGMENT CONDITION: Segment is required for all HAZMAT shipping. If HAZMAT Proper Shipping Name is greater than 25 characters, use additional LH3 segments as required.

**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>[126-01] HAZMAT Proper Shipping Name (DG 6016)<br>Enter proper shipping name. See LFH02 segment (HL loop position 191) to enter the technical name when required by regulation.<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** |
| >> | **LH302** | **984** | **Hazardous Material Shipping Name Qualifier**<br>Qualifier indicating the source (regulatory) of the proper shipping name<br>[126-02] HAZMAT Proper Shipping Name Qualifier (DG 6016)<br>C Canadian Shipping Name<br>[126-02] Canadian Shipping Name<br>D Domestic (United States) Shipping Name<br>[126-02] Domestic (United States) Shipping Name<br>I International Shipping Name<br>[126-02] International Shipping Name | **X ID 1/1** |
| **X** | **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>Refer to 004010 Data Element Dictionary for acceptable code values. | **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:**
[127] LFH SEGMENT - HAZMAT Type Pack Code (DG 6016)
CHANGE NOTE: Segment added (and FACTS guidance applied) per DM 863.
SEGMENT CONDITION: Use when LH102 - HAZMAT Type Pack Quantity present.
[128] LFH SEGMENT - HAZMAT Remarks (Radioactive) (DG 6016)
CHANGE NOTE: Segment added per DM 803.
SEGMENT CONDITION: Use for Radioactive HAZMAT shipments.
[129] LFH SEGMENT - HAZMAT Technical Name (DG 6016)
SEGMENT CONDITION: Required when Proper Shipping Name (PSN) contains a technical name in parentheses immediately following the PSN. If HAZMAT Technical Name is greater than 25 characters, use additional LFH segments as required.
[130] LFH SEGMENT - HAZMAT Waste Indicator (DG 6016)
SEGMENT CONDITION: Required if the hazardous material is defined as waste.
[131] LFH SEGMENT - HAZMAT Limited Quantity Indicator (DG 6016)
SEGMENT CONDITION: Required when the hazardous material is defined as limited.
[132] LFH SEGMENT - HAZMAT Cargo Aircraft Only Indicator (DG 6016)
SEGMENT CONDITION: Required for HAZMAT cargo on military air transportation when the applicable passenger 'P' code is indicated in accordance with AFMAN 24-204(I)/TM 38-250/MCO P4030.19H/NAVSUP Pub 505/DLAI 4145.3, "Preparing Hazardous Materials for Military Air Shipments."
[133] LFH SEGMENT - HAZMAT Toxic Inhalation Zone Code (DG 6016)
SEGMENT CONDITION: Required for toxic inhalation materials.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| **M** | **LFH01** | **808** | **Hazardous Material Shipment Information Qualifier** | **M ID 3/3** |
| | | | Qualifier indicating the type of information being passed so that a receiver may format a description of hazardous commodity movements that meets regulatory requirements | |
| | | | [127-01] HAZMAT Shipment Identifier (DG 6016)<br>[128-01] Additional Basic Description Information Qualifier (DG 6016)<br>Use code value 'RAM' when additional information must appear for Radioactive Material according to 49 CFR.<br>[129-01] HAZMAT Technical Name Qualifier (DG 6016)<br>[130-01] HAZMAT Waste Indicator Qualifier (DG 6016)<br>[131-01] HAZMAT Limited Quantity Indicator Qualifier (DG 6016)<br>[132-01] HAZMAT Cargo Aircraft Only Indicator Qualifier (DG 6016)<br>[133-01] HAZMAT Toxic Inhalation Materials Indicator Qualifier (DG 6016) | |
| | | | CAO — Cargo Airlift Only | |
| | | | [132-01] Cargo Airlift Only | |
| | | | HZC — Hazardous Substance Constituents | |
| | | | [127-01] Hazardous Substance Constituents<br>Use 'HZC' to denote HAZMAT Type Pack Code segment | |
| | | | LQY — "Limited Quantity" Declaration | |
| | | | [131-01] "Limited Quantity" Declaration | |
| | | | PIH — "Poison - Inhalation Hazard" Declaration | |

| | | | | | |
|---|---|---|---|---|---|
| | | | [133-01] "Poison - Inhalation Hazard" Declaration | | |
| | | | RAM Radioactive Material Data | | |
| | | | [128-01] Radioactive Material Data | | |
| | | | TEC Technical or Chemical Group Name | | |
| | | | [129-01] Technical or Chemical Group Name | | |
| | | | WST Waste Declaration | | |
| | | | [130-01] Waste Declaration | | |
| **M** | **LFH02** | **809** | **Hazardous Material Shipment Information** | **M** | **AN 1/25** |
| | | | Specific information required by law for hazardous material shipments | | |
| | | | [127-02] HAZMAT Type Pack Code (DG 6016)<br>Enter the appropriate ANSI X12 code from TMDS (https://www-tmds.c2.amc.af.mil/TMDS/DTRdata.xsql?result=&view=V_TYPE_PACK&skip=0&max=10).<br>[128-02] Additional Basic Description Information (Radioactive) (DG 6016)<br>Enter the appropriate text in quotes as specified by 49 CFR 172.203(d).<br>[129-02] HAZMAT Technical Name (DG 6016)<br>Enter the technical name of the HAZMAT material.<br>[130-02] HAZMAT Waste Indicator (DG 6016)<br>Enter the word 'WASTE' if the hazardous material is defined as waste.<br>[131-02] HAZMAT Limited Quantity Indicator (DG 6016)<br>Include the words 'Limited Quantity' or 'LTD QTY' when the material is defined as such.<br>[132-02] HAZMAT Cargo Aircraft Only Indicator (DG 6016)<br>Enter 'Cargo Aircraft Only'.<br>[133-02] HAZMAT Toxic Inhalation Materials Indicator (DG 6016)<br>Use the words 'Toxic Inhalation Hazard ' followed by 'Zone A', 'Zone B', 'Zone C', or 'Zone D' for gases or 'Zone A' or 'Zone B' for liquids depending on the zone selected in LFH04.<br><br>The word 'toxic' is not required if already included as part of the PSN. | | |
| | **LFH03** | **809** | **Hazardous Material Shipment Information** | **O** | **AN 1/25** |
| | | | Specific information required by law for hazardous material shipments | | |
| | | | [127-03] HAZMAT Type Pack Description (DG 6016)<br>ELEMENT CONDITION: Enter corresponding HAZMAT Type Pack Code description, if applicable. | | |
| >> | **LFH04** | **1023** | **Hazard Zone Code** | **O** | **ID 1/1** |
| | | | Code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone | | |
| | | | [133-04] HAZMAT Toxic Inhalation Zone Code (DG 6016)<br>Indicate the appropriate hazard zone to affix to entry in LFH02. | | |
| | | | A Hazard Zone A | | |
| | | | [133-04] Hazard Zone A | | |
| | | | B Hazard Zone B | | |
| | | | [133-04] Hazard Zone B | | |
| | | | C Hazard Zone C | | |
| | | | [133-04] Hazard Zone C | | |
| | | | D Hazard Zone D | | |
| | | | [133-04] 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 | | |
| | | | [128-05] Radioactive Unit of Measure Code (DG 6016) | | |
| | | | 08 Heat Lots | | |
| | | | [128-05] Heat Lots<br>Use '08' to denote Nanocurie | | |
| | | | 09 Tire | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | | [128-05] Tire<br>Use '09' to denote Terabecquerels | | |
| | | | 2Q | Kilobecquerel<br>Unit of radiation<br>[128-05] Kilobecquerel | | |
| | | | 2R | Kilocurie<br>Unit of radiation<br>[128-05] Kilocurie | | |
| | | | 4D | Curie<br>A unit of radioactivity equal to 3.7 * 10/10 disintegrations per second<br>[128-05] Curie | | |
| | | | 4N | Megabecquerel<br>Unit of radiation<br>[128-05] Megabecquerel | | |
| | | | G4 | Gigabecquerel<br>Unit of radiation equal to 27 millicuries<br>[128-05] Gigabecquerel | | |
| | | | M5 | Microcurie<br>[128-05] Microcurie | | |
| | | | MU | Millicurie<br>[128-05] Millicurie | | |
| | | | R2 | Becquerel<br>Unit of radiation equal to 3.7 * 10/10 of a curie<br>[128-05] Becquerel | | |
| >> | **LFH06** | **380** | **Quantity**<br>Numeric value of quantity<br>[128-06] Radioactive Activity Level (DG 6016)<br>Enter Radioactive Activity Level. | | **X** | **R 1/15** |
| | **LFH07** | **380** | **Quantity**<br>Numeric value of quantity<br>[128-07] Transport Index of Radioactive Material (DG 6016)<br>ELEMENT CONDITION: Enter Transport Index if required. | | **O** | **R 1/15** |

**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 - HAZMAT DoDIC/IMO Designation (DG 6001)
SEGMENT CONDITION: Required for all hazardous materials.
[135] LHR SEGMENT - HAZMAT Compatibility Group Code (DG 6001)
SEGMENT CONDITION: Required for ammunition and explosives.
[136] LHR SEGMENT - HAZMAT Special Approval Number (DG 6016)
SEGMENT CONDITION: A Special Approval (DOT Special Permit, CAA, COE, or DoD packaging waiver) number must be entered if applicable.

**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 DoDIC/IMO Designation Qualifier (DG 6001)<br>[135-01] HAZMAT Compatibility Group Code Qualifier (DG 6001)<br>[136-01] HAZMAT Special Approval Number Qualifier (DG 6016) | | | |
| | | | 1I | Department of Defense Identification Code (DoDIC) | | |
| | | | | Qualifies a code that uniquely identifies a type of explosive or ammunition | | |
| | | | | [134-01] Department of Defense Identification Code (DoDIC)<br>Use '1I' to denote ammunition, ammunition components, and explosives | | |
| | | | 6P | Group Number | | |
| | | | | [135-01] Group Number | | |
| | | | HN | Hazardous Certification Number | | |
| | | | | [136-01] Hazardous Certification Number<br>Use 'HN' to denote Special Approval Number | | |
| | | | ZZ | Mutually Defined | | |
| | | | | [134-01] Mutually Defined<br>Use 'ZZ' to denote other HAZMAT | | |
| **M** | **LHR02** | **127** | **Reference Identification** | | **M** | **AN 1/30** |
| | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | | |
| | | | [134-02] HAZMAT DoDIC/IMO Designation (DG 6001)<br>For ammunition, ammunition components, and explosives, enter the Department of Defense Identification Code (DoDIC). For other HAZMAT, enter the letters 'IMO'.<br>[135-02] HAZMAT Compatibility Group Code (DG 6001)<br>[136-02] HAZMAT Special Approval Number (DG 6016)<br>Enter special approval (DOT Special Permit, CAA, COE, or DoD packaging waiver) number. | | | |
| **X** | **LHR03** | **373** | **Date** | | **O** | **DT 8/8** |
| | | | Date expressed as CCYYMMDD | | | |

**Segment:** **FA1** **Type of Financial Accounting Data**
**Position:** 230
**Loop:** FA1 Optional (Must Use)
**Level:** Detail
**Usage:** Optional (Must Use)
**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:** [46] FA1 SEGMENT - Shipment Unit (T_0/1/4) (DG 1001) This segment begins the appropriation number loop for T_0/1/4 data (DG 1001). It calls for both FA1 and FA2 segments. Carriers do not need to receive appropriation data. 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.
[77] FA1 SEGMENT - 463L (T_2) (DG 2001) Carriers do not need to receive appropriation data. 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.
SEGMENT CONDITION: Use this segment for the Transportation Account Code (TAC).This segment begins the appropriation number loop for T_2 data (DG 2001). It calls for both FA1 and FA2 segments.
[102] FA1 SEGMENT - Other Consolidations (Not SEAVAN/RORO/463L) (T_3) (DG 3001) Carriers do not need to receive appropriation data. 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.
SEGMENT CONDITION: Use this segment for the Transportation Account Code (TAC) when available.This segment begins the appropriation number loop for T_3 data (DG 3001). It calls for both FA1 and FA2 segments.

**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 | | |
| | | | [46-01] Agency Qualifier Code (DG 1001)<br>[77-01] Agency Qualifier Code (DG 2001)<br>[102-01] Agency Qualifier Code (DG 3001) | | |
| | | | DF | Department of Defense (DoD) | |
| | | | | [46-01] Department of Defense (DoD)<br>[77-01] Department of Defense (DoD)<br>[102-01] Department of Defense (DoD) | |
| | | | DN | Department of the Navy | |
| | | | | [46-01] Department of the Navy<br>[77-01] Department of the Navy<br>[102-01] Department of the Navy | |
| | | | DX | United States Marine Corps | |
| | | | | [46-01] United States Marine Corps<br>[77-01] United States Marine Corps<br>[102-01] United States Marine Corps | |
| | | | DY | Department of Air Force | |
| | | | | [46-01] Department of Air Force<br>[77-01] Department of Air Force<br>[102-01] Department of Air Force | |
| | | | DZ | Department of Army | |
| | | | | [46-01] Department of Army | |

| | | | | | |
|---|---|---|---|---|---|
| | | | | [77-01] Department of Army<br>[102-01] Department of Army | |
| | | | HS | Department of Health and Human Services | |
| | | | | [46-01] Department of Health and Human Services<br>Use 'HS' to denote Department of Homeland Security/US Coast Guard (DHS/USCG)<br>[77-01] Department of Health and Human Services<br>Use 'HS' to denote Department of Homeland Security/US Coast Guard (DHS/USCG)<br>[102-01] 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<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| **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 (Must Use)
**Level:** Detail
**Usage:** Mandatory
**Max Use:** >1
**Purpose:** To specify the detailed accounting data
**Syntax Notes:**
**Semantic Notes:**
**Comments:**
**Notes:** [47] FA2 SEGMENT - Shipment Unit Appropriation Elements (T_0/1/4) (DG 1001)
[78] FA2 SEGMENT - 463L Appropriation Elements (T_2) (DG 2001)
Required when FA1 segment is used.
[103] FA2 SEGMENT - Other Consolidations (Not SEAVAN/RORO/463L) (T_3) (DG 3001)
Required when FA1 segment is 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 | | |
| | | | [47-01] Breakdown Structure Detail Code (T_0/1/4) (DG 1001)<br>[78-01] Breakdown Structure Detail Code (T_2) (DG 2001)<br>[103-01] Breakdown Structure Detail Code (T_3) (DG 3001) | | |
| | | | 84 | Total Direct Costs | |
| | | | | [47-01] Total Direct Costs<br>[78-01] Total Direct Costs<br>[103-01] Total Direct Costs | |
| | | | A1 | Department Indicator | |
| | | | | [47-01] Department Indicator<br>[78-01] Department Indicator<br>[103-01] Department Indicator | |
| | | | A2 | Transfer from Department | |
| | | | | [47-01] Transfer from Department<br>[78-01] Transfer from Department<br>[103-01] Transfer from Department | |
| | | | A3 | Fiscal Year Indicator | |
| | | | | [47-01] Fiscal Year Indicator<br>[78-01] Fiscal Year Indicator<br>[103-01] Fiscal Year Indicator | |
| | | | A4 | Basic Symbol Number | |
| | | | | [47-01] Basic Symbol Number<br>[78-01] Basic Symbol Number<br>[103-01] Basic Symbol Number | |
| | | | A5 | Sub-class | |
| | | | | [47-01] Sub-class<br>[78-01] Sub-class<br>[103-01] Sub-class | |
| | | | A6 | Sub-Account Symbol | |
| | | | | [47-01] Sub-Account Symbol<br>[78-01] Sub-Account Symbol<br>[103-01] Sub-Account Symbol | |
| | | | AT | Air Force Transportation Account Code (ATAC) | |
| | | | | [47-01] Air Force Transportation Account Code (ATAC)<br>[78-01] Air Force Transportation Account Code (ATAC) | |

| | |
|---|---|
| | [103-01] Air Force Transportation Account Code (ATAC) |
| B1 | Budget Activity Number |
| | [47-01] Budget Activity Number<br>[78-01] Budget Activity Number<br>[103-01] Budget Activity Number |
| B2 | Budget Sub-activity Number |
| | [47-01] Budget Sub-activity Number<br>[78-01] Budget Sub-activity Number<br>[103-01] Budget Sub-activity Number |
| B3 | Budget Program Activity |
| | [47-01] Budget Program Activity<br>[78-01] Budget Program Activity<br>[103-01] Budget Program Activity |
| C1 | Program Element |
| | [47-01] Program Element<br>[78-01] Program Element<br>[103-01] Program Element |
| C2 | Project Task or Budget Subline |
| | [47-01] Project Task or Budget Subline<br>[78-01] Project Task or Budget Subline<br>[103-01] Project Task or Budget Subline |
| D1 | Defense Agency Allocation Recipient |
| | [47-01] Defense Agency Allocation Recipient<br>[78-01] Defense Agency Allocation Recipient<br>[103-01] Defense Agency Allocation Recipient |
| D4 | Component Sub-allocation Recipient |
| | [47-01] Component Sub-allocation Recipient<br>[78-01] Component Sub-allocation Recipient<br>[103-01] Component Sub-allocation Recipient |
| D6 | Sub-allotment Recipient |
| | [47-01] Sub-allotment Recipient<br>[78-01] Sub-allotment Recipient<br>[103-01] Sub-allotment Recipient |
| D7 | Work Center Recipient |
| | [47-01] Work Center Recipient<br>[78-01] Work Center Recipient<br>[103-01] Work Center Recipient |
| E1 | Major Reimbursement Source Code |
| | [47-01] Major Reimbursement Source Code<br>[78-01] Major Reimbursement Source Code<br>[103-01] Major Reimbursement Source Code |
| E2 | Detail Reimbursement Source Code |
| | [47-01] Detail Reimbursement Source Code<br>[78-01] Detail Reimbursement Source Code<br>[103-01] Detail Reimbursement Source Code |
| E3 | Customer Indicator |
| | [47-01] Customer Indicator<br>[78-01] Customer Indicator<br>[103-01] Customer Indicator |
| F1 | Object Class |
| | [47-01] Object Class<br>[78-01] Object Class<br>[103-01] Object Class |
| F3 | Government or Public Sector Identifier |
| | [47-01] Government or Public Sector Identifier<br>[78-01] Government or Public Sector Identifier<br>[103-01] Government or Public Sector Identifier |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | G2 | Special Interest Code or Special Program Cost Code<br>[47-01] Special Interest Code or Special Program Cost Code<br>[78-01] Special Interest Code or Special Program Cost Code<br>[103-01] Special Interest Code or Special Program Cost Code | | |
| | | | I1 | Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)<br>[47-01] Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)<br>[78-01] Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)<br>[103-01] Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC) | | |
| | | | J1 | Document or Record Reference Number<br>[47-01] Document or Record Reference Number<br>[78-01] Document or Record Reference Number<br>[103-01] Document or Record Reference Number | | |
| | | | K6 | Accounting Classification Reference Code<br>[47-01] Accounting Classification Reference Code<br>[78-01] Accounting Classification Reference Code<br>[103-01] Accounting Classification Reference Code | | |
| | | | L1 | Accounting Installation Number<br>[47-01] Accounting Installation Number<br>[78-01] Accounting Installation Number<br>[103-01] Accounting Installation Number | | |
| | | | M1 | Local Installation Data<br>[47-01] Local Installation Data<br>[78-01] Local Installation Data<br>[103-01] Local Installation Data | | |
| | | | MD | Movement Designator Code (MDC)<br>[47-01] Movement Designator Code (MDC)<br>[78-01] Movement Designator Code (MDC)<br>[103-01] Movement Designator Code (MDC) | | |
| | | | N1 | Transaction Type<br>[47-01] Transaction Type<br>[78-01] Transaction Type<br>[103-01] Transaction Type | | |
| | | | P5 | Foreign Military Sales (FMS) Line Item Number<br>[47-01] Foreign Military Sales (FMS) Line Item Number<br>[78-01] Foreign Military Sales (FMS) Line Item Number<br>[103-01] Foreign Military Sales (FMS) Line Item Number | | |
| | | | TA | Transportation Account Code (TAC)<br>[47-01] Transportation Account Code (TAC)<br>[78-01] Transportation Account Code (TAC)<br>[103-01] Transportation Account Code (TAC) | | |
| | | | ZZ | Mutually Defined<br>[47-01] Mutually Defined<br>[78-01] Mutually Defined<br>[103-01] Mutually Defined | | |
| **M** | **FA202** | **1195** | **Financial Information Code**<br>Code representing financial accounting information<br>[47-02] Financial Information Code (T_0/1/4) (DG 1001)<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, | | **M** | **AN 1/80** |

representing cents even if the value is a whole dollar amount.

Enter value '0003' when FA201 code value is 'TA' (Transportation Account Code) and shipment is by courier.
[78-02] Financial Information Code (T_2) (DG 2001)
When FA201 code value is '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.
[103-02] Financial Information Code (T_3) (DG 3001)
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:** **NM1** **Individual or Organizational Name**
**Position:** 260
**Loop:** NM1 Optional (Must Use)
**Level:** Detail
**Usage:** Optional (Must Use)
**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:** [150] NM1 SEGMENT - Personal Property Owner (DG 8001)
[167] NM1 SEGMENT - Clear Text Consignee Address Name (DG 9013)
SEGMENT CONDITION: This segment shows the first line of the address, which may be an organization's name or individual's name.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **NM101** | **98** | **Entity Identifier Code** | **M** | **ID 2/3** |
| | | | Code identifying an organizational entity, a physical location, property or an individual | | |
| | | | [150-01] Personal Property Owner Identifier Code (DG 8001)<br>[167-01] Clear Text Consignee Address Qualifier (DG 9013) | | |
| | | | CN Consignee | | |
| | | | [167-01] Consignee<br>Use 'CN' to denote Clear Text Consignee Address | | |
| | | | OW Owner of Property or Unit | | |
| | | | [150-01] Owner of Property or Unit | | |
| **M** | **NM102** | **1065** | **Entity Type Qualifier** | **M** | **ID 1/1** |
| | | | Code qualifying the type of entity | | |
| | | | [150-02] Personal Property Owner Qualifier (DG 8001)<br>[167-02] Clear Text Consignee Address Name Qualifier (DG 9013) | | |
| | | | 1 Person | | |
| | | | [150-02] Person | | |
| | | | 6 Organization | | |
| | | | [167-02] Organization<br>Use '6' to denote Clear Text Consignee Address Name | | |
| >> | **NM103** | **1035** | **Name Last or Organization Name** | **O** | **AN 1/35** |
| | | | Individual last name or organizational name | | |
| | | | [150-03] Personal Property Owner's Last Name (DG 8001)<br>[167-03] Clear Text Consignee Name (DG 9013)<br>Enter first line of the Clear Text Consignee address. (i.e., organization's name or individual's name). | | |
| >> | **NM104** | **1036** | **Name First** | **O** | **AN 1/25** |
| | | | Individual first name | | |
| | | | [150-04] Personal Property Owner's First Name (DG 8001)<br>If available use full first name, otherwise use initial. | | |
| | **NM105** | **1037** | **Name Middle** | **O** | **AN 1/25** |
| | | | Individual middle name or initial | | |
| | | | [150-05] Personal Property Owner's Middle Name/Initial (DG 8001)<br>Enter middle name or initial. | | |
| **X** | **NM106** | **1038** | **Name Prefix** | **O** | **AN 1/10** |
| | | | Prefix to individual name | | |
| **X** | **NM107** | **1039** | **Name Suffix** | **O** | **AN 1/10** |
| | | | Suffix to individual name | | |

| | | | | | |
|---|---|---|---|---|---|
| >> | **NM108** | **66** | **Identification Code Qualifier**<br>Code designating the system/method of code structure used for Identification Code (67)<br>[150-08] Grade Code Qualifier (DG 8001)<br>ZZ Mutually Defined<br>[150-08] Mutually Defined<br>Use 'ZZ' to denote Grade Code Information | **X** | **ID 1/2** |
| >> | **NM109** | **67** | **Identification Code**<br>Code identifying a party or other code<br>[150-09] Military/Civilian Grade Code (DG 8001)<br>Insert the applicable pay grade code.<br>SOURCE: DTR Part II, Appendix FF | **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:** **N3** **Address Information**
**Position:** 270
**Loop:** NM1 Optional (Must Use)
**Level:** Detail
**Usage:** Optional
**Max Use:** 2
**Purpose:** To specify the location of the named party
**Syntax Notes:**
**Semantic Notes:**
**Comments:**
**Notes:** [151] N3 SEGMENT - Additional Consignee Address (DG 8017)
SEGMENT CONDITION: Use this segment/loop to describe up to four additional consignee address lines for property consigned to a civil address.
[168] N3 SEGMENT - Clear Text Consignee Address (DG 9013)
Use the first iteration of this segment to show the second and third lines of the address.
Use the second iteration of this segment to show the fourth and fifth lines of the address.
SEGMENT CONDITION: Required when no consignee DoDAAC is available in N104 (Consignee DoDAAC) data element.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **N301** | **166** | **Address Information**<br>Address information<br>[151-01] Additional Consignee Address (DG 8017)<br>Enter Clear Text address information for consignee.<br>[168-01] Clear Text Consignee Address Information (DG 9013)<br>Enter Clear Text Address Information for consignee. | **M** | **AN 1/55** |
| | **N302** | **166** | **Address Information**<br>Address information<br>[151-02] Additional Consignee Address (DG 8017)<br>Enter additional Clear Text address information for consignee.<br>[168-02] Clear Text Consignee Address Information (DG 9013)<br>Enter additional Clear Text Address Information for consignee. | **O** | **AN 1/55** |

**Segment:** **N1** **Name**
**Position:** 290
**Loop:** N1 Optional (Must Use)
**Level:** Detail
**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:** [48] N1 SEGMENT - Consignor or Defense Courier Transfer Station Code (DG 1001) This is a mandatory segment for the following reasons: the consignor/consignee DoDAAC is needed for most TCMDs; the consignor CAGE is needed for MSLs when a vendor does not have a DoDAAC; and the TCMD TC1 record needs the DCSS data for record position 9-14 and 47-52.
[49] N1 SEGMENT - Consignee or Courier Transfer Station Code (DG 1001)
[79] N1 SEGMENT - Loading Activity DoDAAC (DG 2001)
SEGMENT CONDITION: This segment identifies the activity loading the shipment units and/or consolidation containers into a RORO or onto a 463L pallet.
[80] N1 SEGMENT - Consignee of SEAVAN/RORO/463L (DG 2001) This segment identifies the activity receiving the SEAVAN/RORO/463L.
[81] N1 SEGMENT - Van Point of Origin (DG 2014)
SEGMENT CONDITION: Use for SEAVAN shipments.
[104] N1 SEGMENT - Loading Activity (DG 3001)
LOOP CONDITION: This segment identifies the activity loading the consolidated shipment into a SEAVAN/RORO or onto a 463L pallet.
[105] N1 SEGMENT - Consignee of the Consolidated Shipment (DG 3001)
[171] N1 SEGMENT - Applier of Replacement Seals (DG 9014)
SEGMENT CONDITION: Use when replacement seals are applied.
[194] N1 SEGMENT - Loading Activity DoDAAC (DG 9801)
LOOP CONDITION: Use to indicate the pallet loading activity if the pallet is loaded at other than an air terminal.
[195] N1 SEGMENT - Ultimate Consignee DoDAAC (DG 9801)
LOOP CONDITION: Use only if the 463L pallet contents will be delivered to a single consignee.
SEGMENT CONDITION: Use only if the 463L pallet contents will be delivered to a single consignee.

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| **M** | **N101** | **98** | **Entity Identifier Code** | **M ID 2/3** |
| | | | Code identifying an organizational entity, a physical location, property or an individual | |
| | | | [48-01] Consignor or Defense Courier Transfer Station Code Qualifier (DG 1001)<br>[49-01] Consignee or Courier Transfer Station Code Qualifier (DG 1001)<br>[79-01] Loading Activity Qualifier (DG 2001)<br>[80-01] Consignee of SEAVAN/RORO/463L Qualifier (DG 2001)<br>[81-01] Van Point of Origin Qualifier (DG 2014)<br>[104-01] Loading Activity Qualifier (DG 3001)<br>[105-01] Consignee of the Consolidated Shipment Qualifier (DG 3001)<br>[171-01] Applier of Replacement Seals Qualifier (DG 9014)<br>[194-01] Loading Activity Qualifier (DG 9801)<br>[195-01] Ultimate Consignee Qualifier (DG 9801) | |
| | | | CE Consignee (To receive large parcels and freight) | |

| | | | |
|---|---|---|---|
| | | | [80-01] Consignee (To receive large parcels and freight)<br>[105-01] Consignee (To receive large parcels and freight) |
| | | CI | Consignor |
| | | | [48-01] Consignor<br>Use 'CI' to denote Consignor DoDAAC |
| | | CN | Consignee |
| | | | [49-01] Consignee<br>[195-01] Consignee<br>Use 'CN' to denote Ultimate Consignee |
| | | IAD | Foreign Office |
| | | | [49-01] Foreign Office<br>Use 'IAD' to denote Military Assistance Program Address Code (MAPAC) |
| | | LP | Loading Party |
| | | | [79-01] Loading Party<br>[104-01] Loading Party<br>[194-01] Loading Party<br>Use 'LP' to denote Pallet Loading Activity |
| | | OT | Origin Terminal |
| | | | [81-01] Origin Terminal |
| | | SW | Sealing Company |
| | | | [171-01] Sealing Company |
| | | TSE | Consignee Courier Transfer Station |
| | | | [49-01] Consignee Courier Transfer Station |
| | | TSR | Consignor Courier Transfer Station |
| | | | [48-01] Consignor Courier Transfer Station |
| | | XX | Business Area |
| | | | [48-01] Business Area<br>Use 'XX' to denote Consignor CAGE |
| >> | **N102** | **93** | **Name** **X** **AN 1/60** |
| | | | Free-form name |
| | | | [48-02] Consignor or Defense Courier Transfer Station Code (DG 1001)<br>For code value 'XX' in N101, use this element for the Consignor CAGE code. For code value 'CI' in N101, use this element for Consignor DoDAAC. For code value 'TSR' in N101, use this element for Armed Forces Courier Service Shipment Units. Enter the DCSS code followed immediately by the APOE air terminal identifier code.<br>[49-02] Consignee or Courier Transfer Station Code (DG 1001)<br>For the code values in N101, perform the following actions:<br>'CN' - Show ultimate consignee DoDAAC if available. If DoDAAC is not available, use Service indicator (e.g., A, F, N, etc.) followed by five zeros, as it appears in DTR, and furnish the clear text name and address of the consignee in the Line Detail HL '9' loop (DG 9013) using the NM1 and N3 segments (HL loop positions 260/270).<br><br>`IAD' - Enter the MAPAC constructed IAW DTR Part II, Appendix E.<br><br>'TSE' - Use this element for Armed Forces Courier Service Shipment Units. Enter the DCSS code followed immediately by the APOD Air Terminal Identifier code.<br>[194-02] Loading Activity DODAAC (DG 9801)<br>Enter the DoDAAC of the activity that loaded the pallet if not an air terminal. |
| >> | **N103** | **66** | **Identification Code Qualifier** **X** **ID 1/2** |
| | | | Code designating the system/method of code structure used for Identification Code (67) |
| | | | [79-03] Loading Activity DoDAAC Qualifier (DG 2001)<br>[80-03] Consignee of SEAVAN/RORO/463L DoDAAC Qualifier (DG 2001) |

| | | | | | |
|---|---|---|---|---|---|
| | | | [81-03] Van Point of Origin ZIP Code Qualifier (DG 2014)<br>[104-03] Loading Activity DoDAAC Qualifier (DG 3001)<br>[105-03] Consignee of the Consolidated Shipment DoDAAC Qualifier (DG 3001)<br>[171-03] DoDAAC/SCAC/CAGE Qualifier (DG 9014)<br>[195-03] Identification Code Qualifier (DG 9801) | | |
| | | | 2 Standard Carrier Alpha Code (SCAC) | | |
| | | | [171-03] Standard Carrier Alpha Code (SCAC) | | |
| | | | 10 Department of Defense Activity Address Code (DODAAC) | | |
| | | | [79-03] Department of Defense Activity Address Code (DODAAC)<br>[80-03] Department of Defense Activity Address Code (DODAAC)<br>[104-03] Department of Defense Activity Address Code (DODAAC)<br>[105-03] Department of Defense Activity Address Code (DODAAC)<br>[171-03] Department of Defense Activity Address Code (DODAAC)<br>[195-03] Department of Defense Activity Address Code (DODAAC) | | |
| | | | 16 ZIP Code | | |
| | | | [81-03] ZIP Code | | |
| | | | 33 Commercial and Government Entity (CAGE) | | |
| | | | [171-03] Commercial and Government Entity (CAGE) | | |
| >> | **N104** | **67** | **Identification Code** | **X** | **AN 2/80** |
| | | | Code identifying a party or other code | | |
| | | | [79-04] Loading Activity DoDAAC (DG 2001)<br>Enter the DoDAAC of the Loading Activity.<br>[80-04] Consignee of SEAVAN/RORO/463L DoDAAC (DG 2001)<br>Enter the DoDAAC for the final consignee. For stop-offs, use N9/N1 segments (HL loop positions 100/290).<br>[81-04] Van Point of Origin ZIP Code (DG 2014)<br>Van's Point of Origin five-digit ZIP code with optional hyphen and ZIP + 4.<br>[104-04] Loading Activity DoDAAC (DG 3001)<br>Enter the DoDAAC of the activity loading the consolidated shipment.<br>[105-04] Consignee of the Consolidated Shipment DoDAAC (DG 3001)<br>Enter the DoDAAC for consignee of the consolidated shipment.<br>[171-04] Activity that Applied Seals (DG 9014)<br>DoDAAC or CAGE code for Defense activities or enter ocean carrier SCAC code.<br>[195-04] Ultimate Consignee DoDAAC (DG 9801)<br>Enter DoDAAC of the ultimate consignee. | | |
| **X** | **N105** | **706** | **Entity Relationship Code** | **O** | **ID 2/2** |
| | | | Code describing entity relationship<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| **X** | **N106** | **98** | **Entity Identifier Code** | **O** | **ID 2/3** |
| | | | Code identifying an organizational entity, a physical location, property or an individual<br>Refer to 004010 Data Element Dictionary for acceptable code values. | | |

**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:** [196] SE SEGMENT - TCMD 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>[196-01] 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>[196-02] 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 lists that information in an IC Element Matrix.

## PURPOSE

Using the IC element matrix will expedite mapping of an application database into a commercial EDI translation package. The Application Notes section below describes the application specific to this IC element matrix.

## HOW TO READ THE IC ELEMENT MATRIX

To read the matrix, trading partner needs to understand matrix record types, two categories of matrix information, the matrix layout, and the sort order of the matrix. They also need a basic understanding of ASC X12 standard structures and syntax.

### *Record Types*

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

- Segment header records begin the description of a discrete occurrence of an X12 segment. The element records (described below) that follow a segment header record cannot be co-mingled with elements from other segments.
- 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 (DoD REQ).

### *Two Categories of Record Information*

Each record contains two categories of information: IC application information and ASC X12 information.

- IC application information describes attributes about the application requirement.

- ASC X12 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 ten columns.

- 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 "Reference Number Qualifier." A segment header record identifies the segment ID in this column.
- IC Element Number (INDEX) enables analysts and programmers to quickly cite a record in the matrix.
- IC Data Group Number (DATA GRP) is a number assigned by the IC developers. That number identifies an IC element with a group of elements that form a relation (database table) within the application data model. In order to quickly reference a relation, Defense transportation developers label them with a Data Group number. For example, a "Bill To Address" may belong to the "PURCHASE ORDER" relation (DATA GRP = 10). A "Stop-off Delivery Address" may belong to the "ITEM DELIVERY" relation (DATA GRP = 60).
- X12 Transaction Set Table Number (TBL). 1= Header Table, 2= Detail Table, 3= Summary Table.
- X12 Segment Position (POS). The position of the segment in the transaction set table.
- X12 Segment Reference Designator (REF DES). The segment ID and position of the element within the segment. This column is blank for all segment header records.
- X12 Simple or Composite Data Element Number (DE#). The X12 data element that occurs at the REF DES of the segment. This column is blank for all segment header records.
- IC Requirement Designator (DoD REQ). In a segment header record, this column indicates the usage of the segment. In an element record, this column indicates the usage of the element within the segment, if the segment is used.
- IC Element Code List (VALUE). This column lists both X12 standard codes and application-unique codes. If the list is large, it appears in the Section 6.0 - Application Code Lists.
- IC Element Notes (DoD CONVENTION NOTES) can contain information about various segment and element attributes. Element attributes may differ from those in the X12 standard. For example, if trading partners expect to exchange a purchase order number that has a specific length and structure, those attributes are decribed here. Further, if a DoD REQ is conditional, the condition is usually described here. Finally, the note may contain the following references:

  > DTR — Appearing in brackets (e.g. [DTR: T_9 D-15 54/80]), this notation references the DTR data identifier card (DIC) where the data originates. It also identifies the beginning and ending colums (e.g. 54/80) where the data occurs in the DIC.

  > ALTSEG/NTE — When a data element cites this notation, always carry the data element in a data group 9001 NTE segment and include the T_9 rp 80 counter number. Further, when the application system can identify trailer data content, carry the data as described by the citing data element and exclude the T_9 rp 80 counter number.

*Sort Order of the Matrix*

The IC element matrix is presented 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 in accordance with ASC X12 standards.

| 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 - TCMD Header**<br>Only one of the included BX segments applies. Depending upon manner of containerization for the shipment, choose DataGroup (DG) 1000 for single shipment units, DG 2000 for consolidated shipments loaded into SEAVAN/RORO/463L, or DG 3000 for other shipment unit consolidations. | 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 |
| 1-02 | 10 | 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. The application and structure of the control number must be agreed upon between trading partners. (For example, the first five digits might indicate a group control number, with the last four digits representing the sequence of the transaction set within the functional group. Otherwise, the entire nine digit field may simply represent the sequence of the transaction set generated by a trading partner.) | M | AN | 9/9 | 1 | 010 | M | 1 | | | | ST02 | 329 | M | AN | 4/9 |
| 2 | 1000 | **BX SEGMENT - Single Shipment Unit (T_0/1)**<br>SEGMENT CONDITION: ONE AND ONLY ONE BX SEGMENT MUST BE USED FOR THE 858B TRANSACTION<br>SET. Use this segment and all applicable DG 1000 entries for a TCMD for a single shipment unit.<br><br>Populate 858 Table 1 following DG 1000 references if the first DIC in the TCMD is a T_0 or T_1 (or R_0/1 for simulated mobilization exercises). Note that T_0/1/4 DICs are described by T_0 (DG 1000) records. Populate HL loops following DG 1001. | C | | | 1 | 030 | M | 1 | | | | | | | | |
| 2-01 | 1000 | TCMD Purpose Code for Single Shipment Units<br>Use in lieu of the transportation priority code when deleting or canceling the TCMD. See DTR Table M-2.<br><br>[T_0 53/53],[T_1 53/53]<br><br>00 - Original<br><br>03 - Delete<br><br>04 - Change | M | ID | 2/2 | 1 | 030 | M | 1 | | | | BX01 | 353 | M | ID | 2/2 |
| 2-02 | 1000 | Mode/Method to POE Code<br>Translate the one-position DTR mode/method code to a valid X12 code. This code value indicates the mode/method used to deliver the shipment unit to the POE.<br><br>Use any code as appropriate. However, in accordance with DM 753, when using code value 'J', use it to denote Motor, Truckload.In cases where the shipment goes to a consolidation and containerization point (CCP), enter code value 'ZZ' to satisfy X12 syntax requirement.<br><br>SOURCE: DTR Table M-2, M-3, or M-8.<br><br>[T_0 27/27],[T_1 27/27]<br><br>See Section 6 for list of data values. | M | ID | 1/2 | 1 | 030 | M | 1 | | | | BX02 | 91 | M | ID | 1/2 |

| 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 | | |
| 2-03 | 1000 | Shipment Method of Payment Code<br>Enter code value 'TP' to satisfy X12 syntax requirements.<br><br>TP - Third Party Pay | M | ID | 2/2 | 1 | 030 | M | 1 | | | | BX03 | 146 | M | ID | 2/2 |
| 2-04 | 1000 | Shipment Unit Transportation Control Number (TCN)<br>Enter the Transportation Control Number (TCN) for the shipment unit. This TCN also appears in the HL '1' loop (DG 1001) in the N9 segment (HL loop position 100). See DTR Table M-2, M-3, or M-8.<br><br>[T_0 30/46],[T_1 30/46] | M | AN | 17/17 | 1 | 030 | M | 1 | | | | BX04 | 145 | O | AN | 1/30 |
| 2-14 | 1000 | Type of TCMD (Doc ID)<br>Based on the values from position 1 and 3 of the TCMD DIC, use one of the following code values:<br><br>SOURCE: DTR Table M-2<br><br>[T_0 1/3],[T_1 1/3]<br><br>R1 - Simulation of Single Shipment Less Release Units (U.S. Department of Defense)<br><br>*Use 'R1' to denote Less than Release Unit Shipments.*<br><br>RQ - Simulation Single Shipment Release Unit (U.S. Department of Defense)<br><br>T1 - Single Shipment Less Release Units (U.S. Department of Defense)<br><br>*Use 'T1' to denote Less than Release Unit Shipments.*<br><br>TQ - Single Shipment Release Unit (U.S. Department of Defense) | M | ID | 2/2 | 1 | 030 | M | 1 | | | | BX14 | 346 | O | ID | 2/2 |
| 3 | 1000 | **N9 SEGMENT - Transportation Tracking Number (TTN)**<br>SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.<br><br>CHANGE NOTE: Segment added per DM 887. | C | | | 1 | 060 | O | 30 | | | | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 3-01 | 1000 | Transportation Tracking Number (TTN) Qualifier<br>18 - Plan Number<br><br>*Use '18' to denote Transportation Tracking Number (TTN).* | M | ID | 2/2 | 1 | 060 | O | 30 | | | | N901 | 128 | M | ID | 2/3 |
| 3-02 | 1000 | Transportation Tracking Number (TTN) | M | AN | 17/17 | 1 | 060 | O | 30 | | | | N902 | 127 | C | AN | 1/30 |
| 4 | 1000 | **C3 SEGMENT - Currency Code**<br>SEGMENT CONDITION: This segment indicates the currency used for the TCMD. The segment is<br>not required, and will not be used, when currency is in U.S. Dollars. | C | | | 1 | 090 | O | 1 | | | | | | | | |

| 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 | | |
| 4-01 | 1000 | Currency Code<br>Data element C301 indicates a particular country's/region's currency used for all items on the TCMD. (For example, the code value for EURO dollars is 'EUR'.) Other appropriate currency code values from the ISO 4217 table may be found on the web at:<br><br>http://www.iso.org/iso/en/prods-services/popstds/currencycodeslist.html.<br><br>SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute | M | ID | 3/3 | 1 | 090 | O | 1 | | | | C301 | 100 | M | ID | 3/3 |
| 5 | 1000 | **PER SEGMENT - Shipper (SH) Contact Information**<br>SEGMENT CONDITION: Complete this segment if shipper primary point of contact information is available<br><br>Segment added per DM 1010 | C | | | 1 | 120 | O | 3 | | | | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0304P0506P0708 | | | | | | | | | | | |
| 5-01 | 1000 | Shipper Contact Qualifier<br>SH - Shipper Contact | M | ID | 2/2 | 1 | 120 | O | 3 | | | | PER01 | 366 | M | ID | 2/2 |
| 5-02 | 1000 | Shipper Contact Name | M | AN | 1/60 | 1 | 120 | O | 3 | | | | PER02 | 93 | O | AN | 1/60 |
| 5-03 | 1000 | Phone Number Qualifier<br>TE - Telephone | C | ID | 2/2 | 1 | 120 | O | 3 | | | | PER03 | 365 | C | ID | 2/2 |
| 5-04 | 1000 | Shipper Phone Number | C | AN | 10/14 | 1 | 120 | O | 3 | | | | PER04 | 364 | C | AN | 1/80 |
| 5-03 | 1000 | E-mail Address Qualifier<br>EM - Electronic Mail | C | ID | 2/2 | 1 | 120 | O | 3 | | | | PER03 | 365 | C | ID | 2/2 |
| 5-06 | 1000 | Shipper E-mail Address | C | AN | 7/80 | 1 | 120 | O | 3 | | | | PER06 | 364 | C | AN | 1/80 |
| 6 | 1000 | **R4 SEGMENT - POE Identification** | M | | | 1 | 180 | O | 5 | | | | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0203 | | | | | | | | | | | |
| 6-01 | 1000 | Event Qualifier<br>CHANGE NOTE: Element name changed per DM 1025.<br><br>L - Port of Loading (Operational)<br><br>*Use 'L' to denote POE Code.* | M | ID | 1/1 | 1 | 180 | O | 5 | | | | R401 | 115 | M | ID | 1/1 |

| 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 | | |
| 6-02 | 1000 | Mode Qualifier<br>CHANGE NOTE: Element name changed per DM 1025.<br><br>IA - International Air Transport Association (IATA) Location Qualifier<br><br>*Use 'IA' to denote AerialPortCode*<br>*CHANGE NOTE: Definition changed per DM 1025..*<br><br>VS - Vessel Stowage Location<br><br>*Use 'VS' to denote WaterPortCode*<br>*CHANGE NOTE: Definition changed per DM 1025..* | M | ID | 2/2 | 1 | 180 | O | 5 | | | | R402 | 309 | C | ID | 1/2 |
| 6-03 | 1000 | Location Code<br>Use three-position port code. See DTR Table M-4, M-5, or M-6.<br>CHANGE NOTE: Element name changed per DM 1025.<br><br>[T_2 21/23] | M | AN | 3/3 | 1 | 180 | O | 5 | | | | R403 | 310 | C | AN | 1/30 |
| 7 | 1000 | **R4 SEGMENT - POD Identification** | M | | | 1 | 180 | O | 5 | | | | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0203 | | | | | | | | | | | |
| 7-01 | 1000 | Event Qualifier<br>CHANGE NOTE: Element name changed per DM 1025.<br><br>D - Port of Discharge (Operational) | M | ID | 1/1 | 1 | 180 | O | 5 | | | | R401 | 115 | M | ID | 1/1 |
| 7-02 | 1000 | Mode Qualifier<br>CHANGE NOTE: Replace code value 'ZZ' with 'IA' per DM 847.<br>CHANGE NOTE: Element name changed per DM 1025.<br><br>IA - International Air Transport Association (IATA) Location Qualifier<br><br>*Use 'IA' to denote AerialPortCode*<br>*CHANGE NOTE: Definition changed per DM 1025..*<br><br>VS - Vessel Stowage Location<br><br>*Use 'VS' to denote WaterPortCode*<br>*CHANGE NOTE: Definition changed per DM 1025..* | M | ID | 2/2 | 1 | 180 | O | 5 | | | | R402 | 309 | C | ID | 1/2 |
| 7-03 | 1000 | Location Code<br>Use three-position port code. See DTR Table M-4, M-5, or M-6.<br>CHANGE NOTE: Element name changed per DM 1025.<br><br>[T_2 24/26] | M | AN | 3/3 | 1 | 180 | O | 5 | | | | R403 | 310 | C | 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 | | |
| 8 | 2000 | **BX SEGMENT - SEAVAN/RORO/463L Shipment Unit (T_2)**<br>SEGMENT CONDITION: ONE AND ONLY ONE BX SEGMENT MUST BE USED FOR THE 858B TRANSACTION<br>SET. Use this segment and all applicable DG 2000 entries for a TCMD for a TCMD for a SEAVAN/RORO/463L shipment unit.<br><br>Populate 858 Table 1 following DG 2000 references if the first DIC in the TCMD is T_2. In addition, populate the first occurrence of HL loops following DG 2001, 2014, and 2015 references. Additional occurrences may be populated following DG 1001 and DG 3001. | C | | | 1 | 030 | M | 1 | | | | | | | | |
| 8-01 | 2000 | TCMD Purpose Code for SEAVAN/RORO/463L Shipment Units<br>Use in lieu of the transportation priority code when deleting or canceling the TCMD. See DTR Table M-4, M-5, or M-6.<br><br>[T_2 53/53]<br><br>00 - Original<br><br>03 - Delete<br><br>04 - Change | M | ID | 2/2 | 1 | 030 | M | 1 | | | | BX01 | 353 | M | ID | 2/2 |
| 8-02 | 2000 | Mode/Method to POE Code<br>Translate the one-position DTR mode/method code to a valid X12 code. This code value indicates the mode/method used to deliver the shipment unit to the POE. DTR allows this field to be left blank (for example, when the container is stuffed at the port). In those cases where data is not required for this element, enter code value 'ZZ' to satisfy X12 syntax requirements. See DTR Table M-4, M-5, or M-6.<br><br>[T_2 27/27]<br><br>See Section 6 for list of data values. | M | ID | 1/2 | 1 | 030 | M | 1 | | | | BX02 | 91 | M | ID | 1/2 |
| 8-03 | 2000 | Shipment Method of Payment Code<br>Enter code value 'TP' to satisfy X12 syntax requirement.<br><br>TP - Third Party Pay | M | ID | 2/2 | 1 | 030 | M | 1 | | | | BX03 | 146 | M | ID | 2/2 |
| 8-04 | 2000 | Shipment Unit TCN<br>Enter the SEAVAN/RORO/463L TCN.<br><br>[T_2 30/46] | M | AN | 17/17 | 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 | | |
| 8-14 | 2000 | Type of TCMD (Doc ID)<br>See DTR Table M-4. Based on the values from position 1 and 3 of the TCMD DIC, use one of the following code values:<br><br>[T_2 1/3]<br><br>R2 - Simulation of Consolidation of Vans, Trailers, or Pallets (U.S. Department of Defense)<br><br>T2 - Consolidation of Vans, Trailers, or Pallets (U.S. Department of Defense) | M | ID | 2/2 | 1 | 030 | M | 1 | | | | BX14 | 346 | O | ID | 2/2 |
| 9 | 2000 | **N9 SEGMENT - Transportation Tracking Number (TTN)**<br>SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.<br><br>CHANGE NOTE: Segment added per DM 887. | C | | | 1 | 060 | O | 30 | | | | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | | | | | | | | |
| 9-01 | 2000 | Transportation Tracking Number (TTN) Qualifier<br>18 - Plan Number<br><br>*Use '18' to denote Transportation Tracking Number (TTN).* | M | ID | 2/2 | 1 | 060 | O | 30 | | | | N901 | 128 | M | ID | 2/3 |
| 9-02 | 2000 | Transportation Tracking Number (TTN) | M | AN | 17/17 | 1 | 060 | O | 30 | | | | N902 | 127 | C | AN | 1/30 |
| 10 | 2000 | **C3 SEGMENT - Currency Code**<br>SEGMENT CONDITION: This segment indicates the currency used for the TCMD. The segment is not required, and will not be used, when currency is in U. S. Dollars. | C | | | 1 | 090 | O | 1 | | | | | | | | |
| 10-01 | 2000 | Currency Code<br>Data element C301 indicates a particular country's/region's currency used for all items on the TCMD. (For example, the code value for EURO dollars is 'EUR'.) Other appropriate currency code values from the ISO 4217 table may be found on the web at:<br><br>http://www.iso.org/iso/en/prods-services/popstds/currencycodeslist.html.<br><br>SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute | M | ID | 3/3 | 1 | 090 | O | 1 | | | | C301 | 100 | M | ID | 3/3 |
| 11 | 2000 | **PER SEGMENT - Shipper (SH) Contact Information**<br>SEGMENT CONDITION: Complete this segment if shipper primary point of contact information is available<br><br>Segment added per DM 1010 | C | | | 1 | 120 | O | 3 | | | | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0304P0506P0708 | | | | | | | | | | | |
| 11-01 | 2000 | Shipper Contact Qualifier<br>SH - Shipper Contact | M | ID | 2/2 | 1 | 120 | O | 3 | | | | PER01 | 366 | M | 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 | | |
| 11-02 | 2000 | Shipper Contact Name | M | AN | 1/60 | 1 | 120 | O | 3 | | | | PER02 | 93 | O | AN | 1/60 |
| 11-03 | 2000 | Phone Number Qualifier<br>TE - Telephone | C | ID | 2/2 | 1 | 120 | O | 3 | | | | PER03 | 365 | C | ID | 2/2 |
| 11-04 | 2000 | Shipper Phone Number | C | AN | 10/14 | 1 | 120 | O | 3 | | | | PER04 | 364 | C | AN | 1/80 |
| 11-03 | 2000 | E-mail Address Qualifier<br>EM - Electronic Mail | C | ID | 2/2 | 1 | 120 | O | 3 | | | | PER03 | 365 | C | ID | 2/2 |
| 11-06 | 2000 | Shipper E-mail Address | C | AN | 7/80 | 1 | 120 | O | 3 | | | | PER06 | 364 | C | AN | 1/80 |
| 12 | 2000 | **R4 SEGMENT - POE Identification** | M | | | 1 | 180 | O | 5 | | | | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0203 | | | | | | | | | | | |
| 12-01 | 2000 | Event Qualifier<br>CHANGE NOTE: Element name changed per DM 1025.<br><br>L - Port of Loading (Operational)<br><br>*Use 'L' to denote POE Code.* | M | Identifer | 1/1 | 1 | 180 | O | 5 | | | | R401 | 115 | M | ID | 1/1 |
| 12-02 | 2000 | Mode Qualifier<br>CHANGE NOTE: Code value 'IA' replaced 'ZZ' per DM 838.<br>CHANGE NOTE: Element name changed per DM 1025.<br><br>IA - International Air Transport Association (IATA) Location Qualifier<br><br>*Use 'IA' to denote AerialPortCode*<br>*CHANGE NOTE: Definition changed per DM 1025..*<br><br>VS - Vessel Stowage Location<br><br>*Use 'VS' to denote WaterPortCode*<br>*CHANGE NOTE: Definition changed per DM 1025..* | M | ID | 2/2 | 1 | 180 | O | 5 | | | | R402 | 309 | C | ID | 1/2 |
| 12-03 | 2000 | Location Code<br>Use three-position port code. See DTR Table M-4, M-5, or M-6.<br>CHANGE NOTE: Element name changed per DM 1025.<br><br>[T_2 21/23] | M | AN | 3/3 | 1 | 180 | O | 5 | | | | R403 | 310 | C | AN | 1/30 |
| 13 | 2000 | **R4 SEGMENT - POD Identification** | M | | | 1 | 180 | O | 5 | | | | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0203 | | | | | | | | | | | |

| 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 | | |
| 13-01 | 2000 | Event Qualifier<br>CHANGE NOTE: Element name changed per DM 1025.<br><br>D - Port of Discharge (Operational) | M | ID | 1/1 | 1 | 180 | O | 5 | | | | R401 | 115 | M | ID | 1/1 |
| 13-02 | 2000 | Mode Qualifier<br>CHANGE NOTE: Replace code value 'ZZ' with 'IA' per DM 847.<br>CHANGE NOTE: Element name changed per DM 1025.<br><br>IA - International Air Transport Association (IATA) Location Qualifier<br><br>*Use 'IA' to denote AerialPortCode*<br>*CHANGE NOTE: Definition changed per DM 1025..*<br><br>VS - Vessel Stowage Location<br><br>*Use 'VS' to denote WaterPortCode*<br>*CHANGE NOTE: Definition changed per DM 1025..* | M | ID | 2/2 | 1 | 180 | O | 5 | | | | R402 | 309 | C | ID | 1/2 |
| 13-03 | 2000 | Location Code<br>Use three-position port code. See DTR Table M-4, M-5, or M-6.<br>CHANGE NOTE: Element name changed per DM 1025.<br><br>[T_2 24/26] | M | AN | 3/3 | 1 | 180 | O | 5 | | | | R403 | 310 | C | AN | 1/30 |
| 14 | 3000 | **BX SEGMENT - Other Consolidations (T_3)**<br>SEGMENT CONDITION: ONE AND ONLY ONE BX SEGMENT MUST BE USED FOR THE 858B TRANSACTION<br>SET. Use this segment and all applicable DG 3000 entries for a consolidation of surface or air shipment units (other than a SEAVAN/RORO/463L shipment unit).<br><br>Populate 858 Table 1 following DG 3000 references if the first DIC in the TCMD is a T_3 describing a consolidation of shipment units other than SEAVAN/RORO/463L. Populate the first HL loop occurrence following DG 3001 and DG 3014 references. | C | | | 1 | 030 | M | 1 | | | | | | | | |
| 14-01 | 3000 | TCMD Purpose Code for Other Consolidations<br>Use in lieu of the transportation priority code when deleting or canceling the TCMD.<br>See DTR Table M-7.<br><br>[T_3 53/53]<br><br>00 - Original<br><br>03 - Delete<br><br>04 - Change | M | ID | 2/2 | 1 | 030 | M | 1 | | | | BX01 | 353 | M | 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 | | |
| 14-02 | 3000 | Mode/Method to POE Code<br>Translate the one-position DTR mode/method code to a valid X12 code. This code value indicates the mode/method used to deliver the shipment unit to the POE. See DTR Table M-7. In cases where the shipment does not go to a POE, enter code value 'ZZ' to satisfy X12 syntax requirement.<br>[T_3 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 |
| 14-03 | 3000 | Shipment Method of Payment Code<br>Enter code value 'TP' to satisfy X12 syntax requirements.<br>TP - Third Party Pay | M | ID | 2/2 | 1 | 030 | M | 1 | | | | BX03 | 146 | M | ID | 2/2 |
| 14-04 | 3000 | Shipment Unit TCN<br>Enter the TCN for the shipment unit. This TCN also appears in the HL '3' loop (DG 3001) in the N9 segment (HL loop position 100). See DTR Table M-7.<br>[T_3 30/46] | M | AN | 17/17 | 1 | 030 | M | 1 | | | | BX04 | 145 | O | AN | 1/30 |
| 14-14 | 3000 | Type of TCMD (Doc ID)<br>See DTR Table M-7. Based on the values from position 1 and 3 of the TCMD DIC, use one of the following code values:<br>[T_3 1/3]<br>R3 - Simulation of Consolidation of Packaging Containers (U.S. Department of Defense)<br>T3 - Consolidation of Packaging Containers (U.S. Department of Defense) | M | ID | 2/2 | 1 | 030 | M | 1 | | | | BX14 | 346 | O | ID | 2/2 |
| 15 | 3000 | **N9 SEGMENT - Transportation Tracking Number (TTN)**<br>SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.<br>CHANGE NOTE: Segment added per DM 887. | C | | | 1 | 060 | O | 30 | | | | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 15-01 | 3000 | Transportation Tracking Number (TTN) Qualifier<br>18 - Plan Number<br>*Use '18' to denote Transportation Tracking Number (TTN).* | M | ID | 2/2 | 1 | 060 | O | 30 | | | | N901 | 128 | M | ID | 2/3 |
| 15-02 | 3000 | Transportation Tracking Number (TTN) | M | AN | 17/17 | 1 | 060 | O | 30 | | | | N902 | 127 | C | AN | 1/30 |
| 16 | 3000 | **C3 SEGMENT - Currency Code**<br>SEGMENT CONDITION: This segment indicates the currency used for the TCMD. The segment is<br>not required, and will not be used, when currency is in U. S. Dollars. | C | | | 1 | 090 | O | 1 | | | | | | | | |

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| 16-01 | 3000 | Currency Code<br>Data element C301 indicates a particular country's/region's currency used for all items on the TCMD. (For example, the code value for EURO dollars is 'EUR'.) Other appropriate currency code values from the ISO 4217 table may be found on the web at:<br><br>http://www.iso.org/iso/en/prods-services/popstds/currencycodeslist.html.<br><br>SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute | M | ID | 3/3 | 1 | 090 | O | 1 | | | | C301 | 100 | M | ID | 3/3 |
| 17 | 3000 | **R4 SEGMENT - POE Identification** | M | | | 1 | 180 | O | 5 | | | | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0203 | | | | | | | | | | | |
| 17-01 | 3000 | Event Qualifier<br>CHANGE NOTE: Element name changed per DM 1025.<br><br>L - Port of Loading (Operational)<br><br>*Use 'L' to denote POE Code.* | M | ID | 1/1 | 1 | 180 | O | 5 | | | | R401 | 115 | M | ID | 1/1 |
| 17-02 | 3000 | Mode Qualifier<br>CHANGE NOTE: Code value 'IA' replaced 'ZZ' per DM 838.<br>CHANGE NOTE: Element name changed per DM 1025.<br><br>IA - International Air Transport Association (IATA) Location Qualifier<br><br>*Use 'IA' to denote AerialPortCode*<br>*CHANGE NOTE: Definition changed per DM 1025..*<br><br>VS - Vessel Stowage Location<br><br>*Use 'VS' to denote WaterPortCode*<br>*CHANGE NOTE: Definition changed per DM 1025..* | M | ID | 2/2 | 1 | 180 | O | 5 | | | | R402 | 309 | C | ID | 1/2 |
| 17-03 | 3000 | Location Code<br>Use three-position port code. See DTR Table M-7.<br>CHANGE NOTE: Element name changed per DM 1025.<br><br>[T_3 21/23] | M | AN | 3/3 | 1 | 180 | O | 5 | | | | R403 | 310 | C | AN | 1/30 |
| 18 | 3000 | **PER SEGMENT - Shipper (SH) Contact Information**<br>SEGMENT CONDITION: Complete this segment if shipper primary point of contact information is available<br><br>Segment added per DM 1010 | C | | | 1 | 120 | O | 3 | | | | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0304P0506P0708 | | | | | | | | | | | |
| 18-01 | 3000 | Shipper Contact Qualifier<br>SH - Shipper Contact | M | ID | 2/2 | 1 | 120 | O | 3 | | | | PER01 | 366 | M | ID | 2/2 |

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| 18-02 | 3000 | Shipper Contact Name | M | AN | 1/60 | 1 | 120 | O | 3 | | | | PER02 | 93 | O | AN | 1/60 |
| 18-03 | 3000 | Phone Number Qualifier<br>TE - Telephone | C | ID | 2/2 | 1 | 120 | O | 3 | | | | PER03 | 365 | C | ID | 2/2 |
| 18-04 | 3000 | Shipper Phone Number | C | AN | 10/14 | 1 | 120 | O | 3 | | | | PER04 | 364 | C | AN | 1/80 |
| 18-03 | 3000 | E-mail Address Qualifier<br>EM - Electronic Mail | C | ID | 2/2 | 1 | 120 | O | 3 | | | | PER03 | 365 | C | ID | 2/2 |
| 18-06 | 3000 | Shipper E-mail Address | C | AN | 7/80 | 1 | 120 | O | 3 | | | | PER06 | 364 | C | AN | 1/80 |
| 19 | 3000 | **R4 SEGMENT - POD Identification** | M | | | 1 | 180 | O | 5 | | | | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0203 | | | | | | | | | | | |
| 19-01 | 3000 | Event Qualifier<br>CHANGE NOTE: Element name changed per DM 1025.<br><br>D - Port of Discharge (Operational) | M | ID | 1/1 | 1 | 180 | O | 5 | | | | R401 | 115 | M | ID | 1/1 |
| 19-02 | 3000 | Mode Qualifier<br>CHANGE NOTE: Code value 'ZZ' replaced with 'IA' per DM 847.<br>CHANGE NOTE: Element name changed per DM 1025.<br><br>IA - International Air Transport Association (IATA) Location Qualifier<br><br>*Use 'IA' to denote AerialPortCode*<br>*CHANGE NOTE: Definition changed per DM 1025..*<br><br>VS - Vessel Stowage Location<br><br>*Use 'VS' to denote WaterPortCode*<br>*CHANGE NOTE: Definition changed per DM 1025..* | M | ID | 2/2 | 1 | 180 | O | 5 | | | | R402 | 309 | C | ID | 1/2 |
| 19-03 | 3000 | Location Code<br>Use three-position port code. See DTR Table M-7.<br>CHANGE NOTE: Element name changed per DM 1025.<br><br>[T_3 24/26] | M | AN | 3/3 | 1 | 180 | O | 5 | | | | R403 | 310 | C | AN | 1/30 |

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| 20 | 1001 | **HL SEGMENT - Single Shipment Unit (T_0/1/4)**<br>Repeat this loop for every single shipment unit TCN (T_0/1/4).<br><br>This loop may be used in combination with HL loops describing consolidations and containers (HL03 code values = '3 and '2') (DG 3001 and DG 2001), and with HL loops describing TCN trailer data.<br><br>References to T_0 data apply to T_1 and T_4 data throughout the description of this loop. | M | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| 20-01 | 1001 | Hierarchical (Segment) ID Number<br>Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.) | M | AN | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| 20-02 | 1001 | Hierarchical Parent ID Number<br>ELEMENT CONDITION: For consolidations, use this element to link this DG 1001 loop with its parent DG 2001 or DG 3001 loop. Establish the link by copying the Hierarchical Segment ID Number (HL01) of the parent HL loop here. | C | AN | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL02 | 734 | O | AN | 1/12 |
| 20-03 | 1001 | Hierarchical Level Code<br>Use code value '1' to indicate that the HL loop contains information from DTR T_0/1/4 records for a shipment unit corresponding to DG 1001, along with related trailer data corresponding to DG 1014.<br><br>1 - Service/Billing Provider | M | ID | 1/1 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| 21 | 1001 | **N7 SEGMENT - Empty SEAVAN Details**<br>SEGMENT CONDITION: Use for empty SEAVAN only. | C | | | 2 | 020 | O | 1 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0304P0516P0809 | | | | | | | | | | | |
| 21-01 | 1001 | Empty SEAVAN Ownership Code<br>For SEAVAN enter the ownership code which is the first four positions of the ISO container ID number. If none, enter the value 'XXXX' and list the clear text name of the SEAVAN owner in the DG 9013 NTE segment (HL loop position 140).<br><br>SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association<br><br>[T_9 9/12] | C | AN | 1/4 | 2 | 020 | O | 1 | >1 | 1 | HL | N701 | 206 | O | AN | 1/4 |
| 21-02 | 1001 | Empty SEAVAN Container Serial Number<br>Enter the serial number marked on the container by the van owner. Do not include the van owner code (first 4 characters of the container ID number) or the check digit (11th character of the ID number). Include alphabetic characters but exclude special characters such as dashes, slashes, or other symbols.<br><br>[T_9 56/63] | M | AN | 1/10 | 2 | 020 | O | 1 | >1 | 1 | HL | N702 | 207 | M | AN | 1/10 |

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| 21-15 | 1001 | Empty SEAVAN Actual Length<br>For empty SEAVAN enter the actual van length in feet. Left-fill with zeros as required to satisfy X12-mandated field size of four numeric digits.<br>[T_9 28/29] | C | N0 | 4/4 | 2 | 020 | O | 1 | >1 | 1 | HL | N715 | 567 | O | N0 | 4/5 |
| 21-18 | 1001 | Empty SEAVAN Container Number Check Digit<br>As applicable, enter the check digit marked on the container. The check digit is a number separated from the container number by a dash, space, or slash.<br>[T_9 65/65] | C | N0 | 1/1 | 2 | 020 | O | 1 | >1 | 1 | HL | N718 | 761 | O | N0 | 1/1 |
| 22 | 1001 | **REF SEGMENT - Empty Container Indicator**<br>SEGMENT CONDITION: Use to identify an empty SEAVAN. | C | | | 2 | 060 | O | 5 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203 | | | | |
| 22-01 | 1001 | Empty Container Indicator Qualifier<br>BE - Business Activity<br>*Use 'BE' to denote Empty Container Indicator.* | M | ID | 2/2 | 2 | 060 | O | 5 | >1 | 1 | HL | REF01 | 128 | M | ID | 2/3 |
| 22-02 | 1001 | Empty Container Indicator<br>Enter value 'EMPTY' to indicate an empty container.<br>[T_2 28/29] | M | AN | 5/5 | 2 | 060 | O | 5 | >1 | 1 | HL | REF02 | 127 | C | AN | 1/30 |
| 23 | 1001 | **REF SEGMENT - DoD Leased/Controlled Container Indicator**<br>SEGMENT CONDITION: Use segment to indicate a DoD Leased/Controlled Container. | C | | | 2 | 060 | O | 5 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203 | | | | |
| 23-01 | 1001 | DoD Leased/Controlled Container Indicator Qualifier<br>OP - Original Purchase Order<br>*Use 'OP' to denote DoD Leased/Controlled Container Indicator.* | M | ID | 2/2 | 2 | 060 | O | 5 | >1 | 1 | HL | REF01 | 128 | M | ID | 2/3 |
| 23-02 | 1001 | DoD Leased/Controlled Container Indicator<br>Enter value 'LEASED' to denote DoD Leased/Controlled Container.<br>[T_2 28/28] | M | AN | 6/6 | 2 | 060 | O | 5 | >1 | 1 | HL | REF02 | 127 | C | AN | 1/30 |
| 24 | 1001 | **REF SEGMENT - Type of Shipment Code** | M | | | 2 | 060 | O | 5 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203 | | | | |
| 24-01 | 1001 | Type of Shipment Qualifier<br>ZZ - Mutually Defined<br>*Use 'ZZ' to denote Type of Shipment Information.* | M | ID | 2/2 | 2 | 060 | O | 5 | >1 | 1 | HL | REF01 | 128 | M | ID | 2/3 |

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| 24-02 | 1001 | Type of Shipment Code<br>This is the second position of the TCMD Document Identifier code as defined by the 'Document Id 2nd Position Code' table found in USTranscom Reference Data Management (TRDM), mirrored at http://www.transcom.mil/dteb/files/refdata/V_DOC_ID_2_DOM.htm.<br><br>Reference added per DM 1052.<br><br>SOURCE: DTR, Part II, Appendix DD<br><br>[T_0 2/2],[T_1 2/2] | M | AN | 1/1 | 2 | 060 | O | 5 | >1 | 1 | HL | REF02 | 127 | C | AN | 1/30 |
| 25 | 1001 | **REF SEGMENT - POE/POD Identification**<br>SEGMENT CONDITION: Use this segment for water or air shipment of single shipment units to a port of Embarkation (POE). Do not use when shipping to a CCP. | C | | | 2 | 060 | O | 5 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203 | | | | |
| 25-01 | 1001 | POE Qualifier Code<br>55 - Sequence Number | M | ID | 2/2 | 2 | 060 | O | 5 | >1 | 1 | HL | REF01 | 128 | M | ID | 2/3 |
| 25-02 | 1001 | POE Identifier Qualifier<br>Enter value 'SEA' or value 'AIR' to denote Port Code Type. | M | AN | 3/3 | 2 | 060 | O | 5 | >1 | 1 | HL | REF02 | 127 | C | AN | 1/30 |
| 25-03 | 1001 | POE Identifier<br>Use three-position port code.<br><br>[T_0 21/23],[T_1 21/23] | M | AN | 3/3 | 2 | 060 | O | 5 | >1 | 1 | HL | REF03 | 352 | C | AN | 1/80 |
| 25-04 | 1001 | POD Composite Element Header<br>COMPOSITE CONDITION: Use this element for water or air shipment of a single shipment unit when planned for movement through a designated POD for the Consignee.<br>By placing code value '6W' (DE 128 unit qualifier) in the C04001, you are satisfying X12 syntax requirements for the composite data element.<br>CHANGE NOTE: Composite element added per DM 680. | C | CE | | 2 | 060 | O | 5 | >1 | 1 | HL | REF04 | C040 | O | CE | |
| 25-04-01 | 1001 | POD Qualifier Code<br>By placing code value '6W' (DE 128 unit qualifier) in the C04001, you are satisfying X12 syntax requirements for the composite data element.<br><br>6W - Sequence Number<br><br>*Use '6W' to denote Port of Debarkation.* | M | ID | 2/2 | 2 | 060 | O | 5 | >1 | 1 | HL | C04001 | 128 | M | ID | 2/3 |
| 25-04-02 | 1001 | POD Identifier Qualifier<br>Use three-position port code. | M | AN | 3/3 | 2 | 060 | O | 5 | >1 | 1 | HL | C04002 | 127 | M | AN | 1/30 |
| 26 | 1014 | **REF SEGMENT - Van Point of Origin ZIP Code**<br>SEGMENT CONDITION: Use for SEAVAN shipments. | C | | | 2 | 060 | O | 5 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203 | | | | |

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| 26-01 | 1014 | Van Point of Origin ZIP Code Qualifier<br>4B - Shipment Origin Code<br>*Use '4B' to denote Van Point of Origin ZIP Code.* | M | ID | 2/2 | 2 | 060 | O | 5 | >1 | 1 | HL | REF01 | 128 | M | ID | 2/3 |
| 26-02 | 1014 | Van Point of Origin ZIP Code<br>Enter Van's point of origin five-digit ZIP code with optional hyphen and ZIP + 4. | M | AN | 5/10 | 2 | 060 | O | 5 | >1 | 1 | HL | REF02 | 127 | C | AN | 1/30 |
| 27 | 1001 | **N9 SEGMENT - Stop-Off Indicator**<br>SEGMENT CONDITION: This segment is required when describing stop-offs for a shipment unit as part of a SEAVAN consolidation. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 27-01 | 1001 | Stop-Off Indicator Qualifier<br>QN - Stop Sequence Number | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 27-02 | 1001 | Stop-Off Indicator<br>Enter the stop-off sequence number for the shipment. Sequence numbers range from 1-9. For cargo going to the final destination of the SEAVAN, enter value 'Z'.<br>[T_4 63/63] | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 28 | 1001 | **N9 SEGMENT - Short Shelf Life Identification Code**<br>SEGMENT CONDITION: Use for air shipments, when shelf life is applicable. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 28-01 | 1001 | Short Shelf Life Identification Code Qualifier<br>CHANGE NOTE: Code value 'P5' changed to 'SHL' per DM 810.<br>SHL - Shelf Life Indicator<br>*Use 'SHL' to denote Short Shelf Life Code.* | M | ID | 3/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 28-02 | 1001 | Short Shelf Life Identification Code<br>For short shelf-life items, enter one of the following values (Short Shelf Life Identification Codes):<br>[T_0 15/15],[T_1 15/15]<br>K - General Services Administration (GSA)-managed Sealants/Adhesives<br>M - Medical Items<br>X - All Other Short Shelf-life Items | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 29 | 1001 | **N9 SEGMENT - TCN** | M | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |

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| 29-01 | 1001 | 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 |
| 29-02 | 1001 | TCN<br>Enter the TCN of the shipment unit.<br>[T_4 30/46] | M | AN | 17/17 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 30 | 1001 | **N9 SEGMENT - Transportation Tracking Number (TTN)**<br>SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.<br>CHANGE NOTE: Segment added per DM 887. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 30-01 | 1001 | 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 | N901 | 128 | M | ID | 2/3 |
| 30-02 | 1001 | Transportation Tracking Number (TTN) | M | AN | 17/17 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 31 | 1001 | **N9 SEGMENT - Project Code**<br>SEGMENT CONDITION: Required when Project Code applies. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 31-01 | 1001 | Project Code Qualifier<br>P4 - Project Code | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 31-02 | 1001 | Project Code<br>[T_0 57/59],[T_1 57/59] | M | AN | 3/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 32 | 1001 | **N9 SEGMENT - Air Dimension Code**<br>SEGMENT CONDITION: Required only for air shipments. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 32-01 | 1001 | Air Dimension Code Qualifier<br>ADM - Air Dimension Code | M | ID | 3/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 32-02 | 1001 | Air Dimension Code<br>[T_0 20/20],[T_1 20/20] | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |

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| 33 | 1001 | **N9 SEGMENT - Defense Courier Service Station (DCSS) Collocation Indicator** | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | SEGMENT CONDITION: Use this segment only for single shipments by Defense Courier Service. | | | | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | | | | | | | | |
| 33-01 | 1001 | DCSS Collocation Indicator Qualifier<br>COL - Collocation Indicator | M | ID | 3/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 33-02 | 1001 | DCSS Collocation Indicator<br>Enter value '9' if DCS Station and APOE are co-located; otherwise enter value 'X'.<br><br>[TC1 27/27] | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 34 | 1001 | **N9 SEGMENT - Estimated Transit Days to POE** | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | SEGMENT CONDITION: This segment applies to single shipments to a POE not in a SEAVAN/RORO. | | | | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | | | | | | | | |
| 34-01 | 1001 | Estimated Transit Days to POE Qualifier<br>AR - Arrival Code<br><br>*Use 'AR' to denote Estimated Transit Days to POE.* | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 34-02 | 1001 | Estimated Transit Days to POE<br>This figure expresses the number of days from expected time of departure from the shipper to expected time of arrival at the POE. Zero (0) is a valid entry.<br><br>[T_0 63/63],[T_1 63/63] | M | AN | 1/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 35 | 1001 | **N9 SEGMENT - Water Type Cargo Code** | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | SEGMENT CONDITION: This segment is used only for and required for water shipments. | | | | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | | | | | | | | |
| 35-01 | 1001 | Water Type Cargo Code Qualifier<br>PHC - Process Handling Code | M | ID | 3/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 35-02 | 1001 | Water Type Cargo Code<br>This is paired with the Water Commodity Code that is mapped to the L5 Segment (HL loop position 130).<br><br>[T_0 18/18],[T_1 18/18] | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 36 | 1001 | **N9 SEGMENT - Special Handling Code** | M | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | Use this segment for shipments transiting through an Air or a Sea Port. | | | | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | | | | | | | | |

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| 36-01 | 1001 | Special Handling Code Qualifier<br>AHC - Air Handling Code<br>SU - Special Processing Code<br>*Use 'SU' to denote Water Special Handling Code.* | M | ID | 2/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 36-02 | 1001 | Special Handling Code<br>For water shipments, enter the one-position water special handling code from Appendix LL of the DTR Part II. This is paired with the water commodity code mapped to the L5 segment (HL loop position 130).<br>For air shipments, enter the special handling code from Appendix Z of the DTR Part II.<br>SOURCE: Defense Transportation Regulations<br>[T_0 19/19],[T_1 19/19] | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 37 | 1001 | **H3 SEGMENT - Special Requirements Code**<br>SEGMENT CONDITION: Use this segment when a Special Requirements Code applies. Do not enter a Julian date for the Special Requirements Code. | C | | | 2 | 105 | O | 1 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. E0102 | | | | |
| 37-02 | 1001 | Special Requirements Code<br>Code list includes supplysupply Special Requirements Codes '444', '555', '777', '999', 'Exx', 'Nxx', 'Sxx' and 'Xxx'. (As a measure of consistency between this 858B IC and the 856A IC enter triple-position codes 'Exx', 'Nxx', 'Sxx' and 'Xxx' where the first byte is literal and the 'xx' represent any valid alpha-numeric value that completes the code as defined by the Supply Community).<br>Change per DM 1014<br>[T_0 54/56],[T_1 54/56] | M | AN | 3/3 | 2 | 105 | O | 1 | >1 | 1 | HL | H302 | 153 | C | AN | 2/30 |
| 38 | 1001 | **L5 SEGMENT - Air Commodity Code and Federal Supply Class**<br>SEGMENT CONDITION: Required for and used only for air shipments. | C | | | 2 | 130 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. P0304C0706P0809 | | | | |
| 38-03 | 1001 | Air Commodity Code<br>This is paired with the special handling code that is mapped to the N9 segment (HL loop position 100).<br>[T_0 18/18],[T_1 18/18] | M | AN | 1/1 | 2 | 130 | O | 10 | >1 | 1 | HL | L503 | 22 | C | AN | 1/30 |
| 38-04 | 1001 | Air Commodity Code Qualifier<br>Z - Mutually defined<br>*Use 'Z' to denote Air Commodity Code.* | M | ID | 1/1 | 2 | 130 | O | 10 | >1 | 1 | HL | L504 | 23 | C | ID | 1/1 |

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| 38-08 | 1001 | Federal Supply Class Qualifier<br>ELEMENT CONDITION: Use for air shipments if Federal Supply Class furnished by the application system.<br><br>K - Federal Supply Classification | C | ID | 1/1 | 2 | 130 | O | 10 | >1 | 1 | HL | L508 | 23 | C | ID | 1/1 |
| 38-09 | 1001 | Federal Supply Class<br>ELEMENT CONDITION: Use for air shipments if furnished by the application system.<br><br>[T_0 5/8],[T_1 5/8] | C | AN | 4/4 | 2 | 130 | O | 10 | >1 | 1 | HL | L509 | 22 | C | AN | 1/30 |
| 39 | 1001 | **L5 SEGMENT - Water Commodity Code**<br>SEGMENT CONDITION: Required for and used only for water shipments. | C | | | 2 | 130 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0304C0706P0809 | | | | | | | | | | | |
| 39-03 | 1001 | Water Commodity Code<br>[T_0 15/17],[T_1 15/17] | M | AN | 3/3 | 2 | 130 | O | 10 | >1 | 1 | HL | L503 | 22 | C | AN | 1/30 |
| 39-04 | 1001 | Water Commodity Code Qualifier<br>I - Milstamp AITC or Water Commodity Code | M | ID | 1/1 | 2 | 130 | O | 10 | >1 | 1 | HL | L504 | 23 | C | ID | 1/1 |
| 40 | 1001 | **L5 SEGMENT - Non Palletized Mail Registry Number**<br>SEGMENT CONDITION: Use when Non Palletized Mail Registry applies. | C | | | 2 | 130 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0304C0706P0809 | | | | | | | | | | | |
| 40-03 | 1001 | Non Palletized Mail Registry Number<br>[T_A 9/14],[T_D 9/14] | M | AN | 1/30 | 2 | 130 | O | 10 | >1 | 1 | HL | L503 | 22 | C | AN | 1/30 |
| 40-04 | 1001 | Non Palletized Mail Registry Number Qualifier<br>D - Department of Defense Unique Codes<br><br>*Use 'D' to denote Non Palletized Mail Registry Number.* | M | ID | 1/1 | 2 | 130 | O | 10 | >1 | 1 | HL | L504 | 23 | C | ID | 1/1 |
| 41 | 1001 | **Y7 SEGMENT - Transportation Priority Code**<br>SEGMENT CONDITION: Use when priority code applies. | C | | | 2 | 137 | O | 2 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0203 | | | | | | | | | | | |
| 41-01 | 1001 | Transportation Priority Code<br>Enter the transportation priority of the shipment unit. Valid values are '1', '2', '3', or '4'<br><br>[T_0 53/53],[T_1 53/53] | M | N0 | 1/1 | 2 | 137 | O | 2 | >1 | 1 | HL | Y701 | 467 | O | N0 | 1/1 |
| 42 | 1001 | **G62 SEGMENT - Date/Time (UTC) Shipped to POE**<br>SEGMENT CONDITION: Required for air and water shipments to a POE -- not for shipments to a CCP or for shipments loaded at POE. | C | | | 2 | 138 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R0103P0102P0304 | | | | | | | | | | | |

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| 42-01 | 1001 | Date (UTC) Shipped to POE Qualifier<br>SE - Date Shipped to Port of Embarkation (POE) | M | ID | 2/2 | 2 | 138 | O | 10 | >1 | 1 | HL | G6201 | 432 | C | ID | 2/2 |
| 42-02 | 1001 | Date (UTC) Shipped to POE<br>For air shipments, the date appears in DTR TCMD T_0/1/2/4 record. This date is paired with the time in G6204. The DTR value is an ordinal number that represents a day of the year on a 365 day calendar. Convert the ordinal to a standard date format of CCYYMMDD. (Example: ordinal value 23 could equal days 23, 123, 223, or 323.)<br><br>For water shipments, the date appears in Julian format in DTR TCMD T_0/1/2/4 record positions 60/62. That value should be converted to the CCYYMMDD format and carried here.<br><br>[T_0 60/62],[T_1 60/62],[T_2 60/62],[T_4 60/62] | M | DT | 8/8 | 2 | 138 | O | 10 | >1 | 1 | HL | G6202 | 373 | C | DT | 8/8 |
| 42-03 | 1001 | Estimated Departure Time Qualifier<br>ELEMENT CONDITION: Required for and used only for air shipments.<br><br>D - Estimated Departure Time | C | ID | 1/1 | 2 | 138 | O | 10 | >1 | 1 | HL | G6203 | 176 | C | ID | 1/2 |
| 42-04 | 1001 | Time (UTC) Shipped to APOE<br>Enter time in 24 hr time format (HHMM).<br><br>ELEMENT CONDITION: Required for and used only for air shipments.<br><br>[T_0 60/60],[T_1 60/60] | C | TM | 4/4 | 2 | 138 | O | 10 | >1 | 1 | HL | G6204 | 337 | C | TM | 4/8 |
| 42-05 | 1001 | UTC Date/Time Zone Indicator<br>Use Universal Time Coordinate (UTC), also referred to as Greenwich Mean Time (GMT), for both G6202 and G6204.<br><br>ELEMENT CONDITION: Required for and used only for air shipments.<br><br>SOURCE: ISO 8601 available from American National Standards Institute<br><br>UT - Universal Time Coordinate | C | ID | 2/2 | 2 | 138 | O | 10 | >1 | 1 | HL | G6205 | 623 | O | ID | 2/2 |
| 43 | 1001 | **G62 SEGMENT - Required Delivery Date (RDD) (UTC)**<br>SEGMENT CONDITION: Use when RDD furnished by the application system is a Julian date. | C | | | 2 | 138 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0103P0102P0304 | | | | |
| 43-01 | 1001 | Required Delivery Date (RDD) Qualifier<br>54 - Deliver No Later Than Date<br><br>*Use '54' to denote RDD.* | M | ID | 2/2 | 2 | 138 | O | 10 | >1 | 1 | HL | G6201 | 432 | C | ID | 2/2 |

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| 43-02 | 1001 | Required Delivery Date (RDD) (UTC)<br>This is the calendar date, specified by the requisitioner, when material is required by the requisitioner. It is not a date assigned by the shipper.<br>[T_0 54/56],[T_1 54/56] | M | DT | 8/8 | 2 | 138 | O | 10 | >1 | 1 | HL | G6202 | 373 | C | DT | 8/8 |
| 44 | 1001 | **NTE SEGMENT - Shipment Unit Adjustment Code**<br>SEGMENT CONDITION: Use this segment only when BX01 contains code value '03' or '04'. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 44-01 | 1001 | Shipment Unit Adjustment Code Qualifier<br>ACN - Action Taken<br>*Use 'ACN' to denote Shipment Unit Adjustment Code.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 44-02 | 1001 | Shipment Unit Adjustment Code<br>For BX01 code value '03' enter value 'Deletion'; For BX01 code value '04' enter value 'Correction', followed by the date in CCYYMMDD format. | M | AN | 16/18 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 45 | 1001 | **L0 SEGMENT - Piece, Weight, Cube and Type Pack** | M | | | 2 | 145 | O | 1 | 20 | 2 | L0 | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315 | | | | | | | | | | | |
| 45-04 | 1001 | Total Weight of Shipment Unit<br>Express total weight of shipment unit in whole pounds. Round up to a whole number.<br>[T_0 72/76],[T_1 72/76] | M | R | 1/10 | 2 | 145 | O | 1 | 20 | 2 | L0 | L004 | 81 | C | R | 1/10 |
| 45-05 | 1001 | Weight Type Code<br>G - Gross Weight | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L005 | 187 | C | ID | 1/2 |
| 45-06 | 1001 | Total Cube of Shipment Unit<br>Express total cube of all pieces in the shipment unit in cubic feet. Round up to a whole number.<br>[T_0 77/80],[T_1 77/80] | M | R | 1/8 | 2 | 145 | O | 1 | 20 | 2 | L0 | L006 | 183 | C | R | 1/8 |
| 45-07 | 1001 | Cube Qualifier<br>E - Cubic Feet | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L007 | 184 | C | ID | 1/1 |
| 45-08 | 1001 | Number of Pieces for the Shipment Unit<br>Express the number of separate pieces for the shipment unit that are not unitized. If the separate pieces are banded to a pallet, then the piece count is one (1).<br>[T_0 68/71],[T_1 68/71] | M | N0 | 1/7 | 2 | 145 | O | 1 | 20 | 2 | L0 | L008 | 80 | C | N0 | 1/7 |

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| 45-09 | 1001 | Type Pack Code<br>Select appropriate three-position Type Pack Code that describes the type pack for the Shipment Unit.<br><br>PLL - [Migration Code] 463L pallet.<br><br>[T_0 28/29],[T_1 28/29]<br><br>See Section 6 for list of data values. | M | ID | 3/3 | 2 | 145 | O | 1 | 20 | 2 | L0 | L009 | 211 | C | ID | 3/3 |
| 46 | 1001 | **FA1 SEGMENT - Shipment Unit (T_0/1/4)**<br>This segment begins the appropriation number loop for T_0/1/4 data (DG 1001). It calls for both FA1 and FA2 segments. Carriers do not need to receive appropriation data. 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. | M | | | 2 | 230 | O | 1 | >1 | 2 | FA1 | | | | | |
| 46-01 | 1001 | Agency Qualifier Code<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 | 2 | 230 | O | 1 | >1 | 2 | FA1 | FA101 | 559 | M | ID | 2/2 |
| 47 | 1001 | **FA2 SEGMENT - Shipment Unit Appropriation Elements (T_0/1/4)** | M | | | 2 | 240 | M | >1 | >1 | 2 | FA1 | | | | | |
| 47-01 | 1001 | Breakdown Structure Detail Code (T_0/1/4)<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 |
| 47-02 | 1001 | Financial Information Code (T_0/1/4)<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.<br><br>Enter value '0003' when FA201 code value is 'TA' (Transportation Account Code) and shipment is by courier.<br><br>[T_0 64/67],[T_1 64/67] | M | AN | 1/80 | 2 | 240 | M | >1 | >1 | 2 | FA1 | FA202 | 1195 | M | AN | 1/80 |

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| 48 | 1001 | **N1 SEGMENT - Consignor or Defense Courier Transfer Station Code** | M | | | 2 | 290 | O | 1 | 4 | 2 | N1 | | | | | |
| | | This is a mandatory segment for the following reasons: the consignor/consignee DoDAAC is needed for most TCMDs; the consignor CAGE is needed for MSLs when a vendor does not have a DoDAAC; and the TCMD TC1 record needs the DCSS data for record position 9-14 and 47-52. | | | | See X12 Standards for explanation of syntax notes. R0203P0304 | | | | | | | | | | | |
| 48-01 | 1001 | Consignor or Defense Courier Transfer Station Code Qualifier<br>CI - Consignor<br>*Use 'CI' to denote Consignor DoDAAC.*<br>TSR - Consignor Courier Transfer Station<br>XX - Business Area<br>*Use 'XX' to denote Consignor CAGE.* | M | ID | 2/3 | 2 | 290 | O | 1 | 4 | 2 | N1 | N101 | 98 | M | ID | 2/3 |
| 48-02 | 1001 | Consignor or Defense Courier Transfer Station Code<br>For code value 'XX' in N101, use this element for the Consignor CAGE code. For code value 'CI' in N101, use this element for Consignor DoDAAC. For code value 'TSR' in N101, use this element for Armed Forces Courier Service Shipment Units. Enter the DCSS code followed immediately by the APOE air terminal identifier code. | C | AN | 1/60 | 2 | 290 | O | 1 | 4 | 2 | N1 | N102 | 93 | C | AN | 1/60 |
| 49 | 1001 | **N1 SEGMENT - Consignee or Courier Transfer Station Code** | M | | | 2 | 290 | O | 1 | 4 | 2 | N1 | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R0203P0304 | | | | | | | | | | | |
| 49-01 | 1001 | Consignee or Courier Transfer Station Code Qualifier<br>CN - Consignee<br>IAD - Foreign Office<br>*Use 'IAD' to denote Military Assistance Program Address Code (MAPAC).*<br>TSE - Consignee Courier Transfer Station | M | ID | 2/3 | 2 | 290 | O | 1 | 4 | 2 | N1 | N101 | 98 | M | ID | 2/3 |
| 49-02 | 1001 | Consignee or Courier Transfer Station Code<br>For the code values in N101, perform the following actions:<br>'CN' - Show ultimate consignee DoDAAC if available. If DoDAAC is not available, use Service indicator (e.g., A, F, N, etc.) followed by five zeros, as it appears in DTR, and furnish the clear text name and address of the consignee in the Line Detail HL '9' loop (DG 9013) using the NM1 and N3 segments (HL loop positions 260/270).<br>`IAD' - Enter the MAPAC constructed IAW DTR Part II, Appendix E.<br>'TSE' - Use this element for Armed Forces Courier Service Shipment Units. Enter the DCSS code followed immediately by the APOD Air Terminal Identifier code. | C | AN | 1/60 | 2 | 290 | O | 1 | 4 | 2 | N1 | N102 | 93 | C | AN | 1/60 |

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| 50 | 2001 | **HL SEGMENT - SEAVAN/RORO/463L Shipment Units (T_2)**<br>LOOP CONDITION: This HL loop is required when passing header and trailer data associated with a SEAVAN/RORO/463L shipment unit.<br><br>For capped 463L pallets this loop will be a child loop of the capped pallet loop only for the situation where the pallet and its load are documented as a shipment unit and the complete, single load is marked with an MSL. | C | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| 50-01 | 2001 | Hierarchical (Segment) ID Number<br>Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.) | M | AN | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| 50-02 | 2001 | Hierarchical Parent ID Number<br>Enter parent loop ID only if this is a child loop for a 463L capped pallet (HL03=24) that is marked with an MSL as a consolidated shipment unit. Use this data element to link this DG 2001 loop as a nested child within a parent container (DG 2001) or a unitized load (DG 3001). Otherwise, do not use this data element. | C | AN | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL02 | 734 | O | AN | 1/12 |
| 50-03 | 2001 | Hierarchical Level Code<br>Use code value '2' to indicate that the HL loop contains information from DTR T_2 records for a shipment using SEAVAN/RORO/463L corresponding to DG 2001, along with related trailer data corresponding to DG 2014 and DG 2015.<br><br>2 - Billing Arrangement | M | ID | 2/2 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| 51 | 2001 | **N7 SEGMENT - Container Information**<br>SEGMENT CONDITION: Use this segment only for SEAVAN. | C | | | 2 | 020 | O | 1 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0304P0516P0809 | | | | | | | | | | | |
| 51-01 | 2001 | SEAVAN Ownership Code<br>For SEAVAN enter the ownership code which is the first four positions of the ISO container ID number. If none, enter the value 'XXXX' and list the clear text name of the SEAVAN owner in the DG 9013 NTE segment (HL loop position 140).<br><br>SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association<br><br>[T_2 9/12] | M | AN | 4/4 | 2 | 020 | O | 1 | >1 | 1 | HL | N701 | 206 | O | AN | 1/4 |
| 51-02 | 2001 | SEAVAN Container Serial Number<br>Enter the serial number marked on the container by the van owner. Do not include the van owner code (first 4 characters of the container ID number) or the check digit (11th character of the ID number). Include alphabetic characters but exclude special characters such as dashes, slashes, or other symbols.<br><br>[T_9 56/63] | M | AN | 1/10 | 2 | 020 | O | 1 | >1 | 1 | HL | N702 | 207 | M | AN | 1/10 |

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| 51-08 | 2001 | Cubic Capacity of SEAVAN<br>Enter using whole cubic feet. Use only for SEAVAN shipments.<br>[T_2 64/67] | M | R | 1/4 | 2 | 020 | O | 1 | >1 | 1 | HL | N708 | 183 | C | R | 1/8 |
| 51-09 | 2001 | Cubic Capacity of SEAVAN Qualifier<br>E - Cubic Feet | M | ID | 1/1 | 2 | 020 | O | 1 | >1 | 1 | HL | N709 | 184 | C | ID | 1/1 |
| 51-15 | 2001 | SEAVAN Length<br>Enter the length in feet.<br>[T_2 13/14] | M | N0 | 4/4 | 2 | 020 | O | 1 | >1 | 1 | HL | N715 | 567 | O | N0 | 4/5 |
| 51-18 | 2001 | SEAVAN Container Number Check Digit<br>The check digit is a number separated from the container number by a dash, space, or slash.<br>ELEMENT CONDITION: As applicable, enter the check digit marked on the container.<br>[T_9 65/65] | C | N0 | 1/1 | 2 | 020 | O | 1 | >1 | 1 | HL | N718 | 761 | O | N0 | 1/1 |
| 51-23 | 2001 | Ocean Carrier Code<br>For SEAVAN(s).<br>SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.<br>[T_9 74/77] | M | ID | 2/4 | 2 | 020 | O | 1 | >1 | 1 | HL | N723 | 140 | O | ID | 2/4 |
| 52 | 2001 | **N5 SEGMENT - Length of SEAVAN Ordered**<br>SEGMENT CONDITION: Do not use for empty vans. | C | | | 2 | 050 | O | 1 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0708 | | | | | | | | | | | |
| 52-01 | 2001 | Length of SEAVAN Ordered<br>Enter the length of the SEAVAN ordered, in feet.<br>[T_9 28/29] | M | N0 | 4/4 | 2 | 050 | O | 1 | >1 | 1 | HL | N501 | 567 | O | N0 | 4/5 |
| 53 | 2001 | **REF SEGMENT - Type of Shipment Code** | M | | | 2 | 060 | O | 5 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R0203 | | | | | | | | | | | |
| 53-01 | 2001 | Type of Shipment Qualifier<br>ZZ - Mutually Defined<br>*Use 'ZZ' to denote Type of Shipment.* | M | ID | 2/2 | 2 | 060 | O | 5 | >1 | 1 | HL | REF01 | 128 | M | ID | 2/3 |

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| 53-02 | 2001 | Type of Shipment Code<br>This is the second position of the TCMD Document Identifier code as defined by the 'Document Id 2nd Position Code' table found in USTranscom Reference Data Management (TRDM), mirrored at http://www.transcom.mil/dteb/files/refdata/V_DOC_ID_2_DOM.htm.<br><br>Reference added per DM 1052.<br><br>SOURCE: DTR, Part II, Appendix DD.<br><br>[T_2 2/2] | M | AN | 1/1 | 2 | 060 | O | 5 | >1 | 1 | HL | REF02 | 127 | C | AN | 1/30 |
| 54 | 2001 | **REF SEGMENT - DoD Leased/Controlled Container Indicator**<br>SEGMENT CONDITION: Use segment to indicate a DoD Leased/Controlled Container. | C | | | 2 | 060 | O | 5 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203 | | | | |
| 54-01 | 2001 | DoD Leased/Controlled Container Indicator Qualifier<br>OP - Original Purchase Order<br><br>*Use 'OP' to denote DoD Leased/Controlled Container Indicator.* | M | ID | 2/2 | 2 | 060 | O | 5 | >1 | 1 | HL | REF01 | 128 | M | ID | 2/3 |
| 54-02 | 2001 | DoD Leased/Controlled Container Indicator<br>Enter value 'LEASED' to indicate a DoD Leased/Controlled Container.<br><br>[T_2 28/28] | M | AN | 6/6 | 2 | 060 | O | 5 | >1 | 1 | HL | REF02 | 127 | C | AN | 1/30 |
| 55 | 2001 | **REF SEGMENT - Container Loading Information**<br>SEGMENT CONDITION: Only used when the T_2 is for a container, not used for 463L pallet shipments<br>Identifies the load configuration within the container and the activity loading it.<br><br>Repeat the segment for each load situation (i.e., when the initial, partial load is done by one activity with loading completed by another activity). | C | | | 2 | 060 | O | 5 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203 | | | | |
| 55-01 | 2001 | Container Loading Information Qualifier<br>CHANGE NOTE: Replace code value 'BE' with 'IL' per DM 847.<br><br>IL - Internal Order Number<br><br>*Use 'IL' to denote Container Loading Information.* | M | ID | 2/2 | 2 | 060 | O | 5 | >1 | 1 | HL | REF01 | 128 | M | ID | 2/3 |
| 55-02 | 2001 | Container Loading Information<br>Enter the following values as indicated:<br>'FULL' to denote a container loaded to its capacity<br>'NOT FULL - MIXED' to denote a container loaded to less than its capacity with military and commercial cargo commingled IAW the SDDC Container Agreement and Rate Guide.<br>'NOT FULL' to denote a container loaded to less than its capacity.<br>CHANGE NOTE: Length attribute changed to 4/16 per DM 762.<br><br>[T_2 28/29] | M | AN | 4/16 | 2 | 060 | O | 5 | >1 | 1 | HL | REF02 | 127 | C | AN | 1/30 |

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| 55-03 | 2001 | Container Loading Activity<br>Enter the applicable value as indicated from the following:<br><br>'CARRIER' to denote an Ocean Carrier<br>'CONTRACT CCP' to denote a Contract Shipment Consolidation facility.<br>'MIL SHIPPER' to denote a Military Shipping activity<br>'MIL TERMINAL' to denote a Military Terminal<br>'VENDOR' to denote a Commercial Vendor<br><br>[T_2 28/29] | M | AN | 6/12 | 2 | 060 | O | 5 | >1 | 1 | HL | REF03 | 352 | C | AN | 1/80 |
| 56 | 2015 | **L7 SEGMENT - Stop-Off DoDAAC**<br>SEGMENT CONDITION: This segment is required when describing stop-offs for a shipment unit as part of a SEAVAN consolidation. Repeat up to ten times for each Stop-Off DoDAAC. | C | | | 2 | 090 | O | 10 | >1 | 1 | HL | | | | | |
| 56-03 | 2015 | Stop-Off DoDAAC<br>Enter Stop-Off DoDAAC.<br><br>[T_9 60/65],[T_9 74/79] | M | AN | 6/6 | 2 | 090 | O | 10 | >1 | 1 | HL | L703 | 171 | O | AN | 1/7 |
| 56-04 | 2015 | Stop-Off Number<br>Enter the stop-off sequence number for the shipment. Sequence numbers range from 1-9.<br><br>[T_9 54/59],[T_9 68/73] | M | AN | 1/1 | 2 | 090 | O | 10 | >1 | 1 | HL | L704 | 172 | O | AN | 1/2 |
| 57 | 2001 | **N9 SEGMENT - TCN** | M | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | | | | | | | | |
| 57-01 | 2001 | 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 |
| 57-02 | 2001 | TCN<br>Enter the TCN of the consolidated shipment unit.<br><br>[T_2 30/46] | M | AN | 17/17 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 58 | 2001 | **N9 SEGMENT - Transportation Tracking Number (TTN)**<br>SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.<br><br>CHANGE NOTE: Segment added per DM 887. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | | | | | | | | |
| 58-01 | 2001 | Transportation Tracking Number (TTN) Qualifier<br>18 - Plan Number<br><br>*Use '18' to denote Transportation Tracking Number (TTN).* | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |

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| 58-02 | 2001 | Transportation Tracking Number (TTN) | M | AN | 17/17 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 59 | 2001 | **N9 SEGMENT - Project Code**<br>SEGMENT CONDITION: Use for 463L pallets only with a single Project Code. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 59-01 | 2001 | Project Code Qualifier<br>P4 - Project Code | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 59-02 | 2001 | Project Code<br>[T_2 57/59] | M | AN | 3/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 60 | 2001 | **N9 SEGMENT - Consignee Distribution (CDIST) Code**<br>SEGMENT CONDITION: This segment is required when describing the number of consignees for<br>a single stop or the number of stop-offs for shipment units as part of a SEAVAN/RORO consolidation. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 60-01 | 2001 | Consignee Distribution (CDIST) Code Qualifier<br>QN - Stop Sequence Number<br>*Use 'QN' to denote Consignee Distribution (CDIST) Code.* | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 60-02 | 2001 | Consignee Distribution (CDIST) Code<br>For ROROs, enter 'S' for single consignee and 'M' for multiple consignees.<br>For SEAVAN shipments, use the following values:<br>S - Single consignee at a single destination.<br>M - Multiple consignees via a break bulk point for distribution to the consignees.<br>C - Multiple consignees via a centralized receiving point for distribution to the ultimate consignees.<br>1-9 - Multiple consignees via stop offs. Enter the number of stop offs, excluding the final consignee.<br>[T_2 57/57] | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 61 | 2001 | **N9 SEGMENT - Estimated Transit Days to POE**<br>SEGMENT CONDITION: This segment applies to SEAVAN/RORO/463L shipments to a POE. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 61-01 | 2001 | Estimated Transit Days to POE Qualifier<br>AR - Arrival Code<br>*Use 'AR' to denote Estimated Transit Days to POE.* | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |

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| 61-02 | 2001 | Estimated Transit Days to POE<br>This figure expresses the number of days from expected time of departure from the shipper to expected time of arrival at the POE. Zero (0) is a valid entry.<br>[T_2 63/63] | M | AN | 1/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 62 | 2001 | **N9 SEGMENT - Water Type Cargo Code**<br>SEGMENT CONDITION: This segment is used only for and required for water shipments. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 62-01 | 2001 | Water Type Cargo Code Qualifier<br>PHC - Process Handling Code<br>*Use 'PHC' to denote Water Type Cargo Code.* | M | ID | 3/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 62-02 | 2001 | Water Type Cargo Code<br>This is paired with the water commodity code that is mapped to the L5 Segment (HL loop position 130).<br>[T_2 18/18] | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 63 | 2001 | **N9 SEGMENT - Special Handling Code**<br>SEGMENT CONDITION: Use this segment for shipments, except 463L pallet, transiting through an Air or Sea Port. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 63-01 | 2001 | Special Handling Code Qualifier<br>AHC - Air Handling Code<br>SU - Special Processing Code<br>*Use 'SU' to denote Water Special Handling Code.* | M | ID | 2/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 63-02 | 2001 | Special Handling Code<br>For water shipments, enter the one-position Special Handling Code from Appendix LL of the DTR Part II. This is paired with the water commodity code mapped to the L5 segment (HL loop position 130).<br>For air shipments, enter the special handling code from Appendix Z of the DTR Part II.<br>SOURCE: DTR Part II<br>[T_2 19/19] | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 64 | 2001 | **N9 SEGMENT - Air Dimension Code**<br>SEGMENT CONDITION: Required for air shipments. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 64-01 | 2001 | Air Dimension Code Qualifier<br>ADM - Air Dimension Code | M | ID | 3/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |

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| 64-02 | 2001 | Air Dimension Code<br>[T_2 20/20] | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 65 | 2001 | **N9 SEGMENT - Short Shelf Life Identification Code**<br>SEGMENT CONDITION: Use for RORO shipment by air when shelf life is applicable. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 65-01 | 2001 | Short Shelf Life Identification Code Qualifier<br>SHL - Shelf Life Indicator | M | ID | 3/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 65-02 | 2001 | Short Shelf Life Identification Code<br>CHANGE NOTE: Value 'Z' changed to 'X' per DM 810.<br><br>For short shelf-life items, enter one of the following values to denote the DoD definition indicated:<br><br>[T_2 15/15]<br><br>K - GSA-managed sealants/adhesives<br><br>M - Medical Items<br><br>X - Any Other Commodity with Limited Shelf Life | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 66 | 2001 | **H3 SEGMENT - Special Requirements Code**<br>SEGMENT CONDITION: Use this segment when a Special Requirements Code applies. Do not enter a Julian date for the Special Requirements Code. | C | | | 2 | 105 | O | 1 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. E0102 | | | | |
| 66-02 | 2001 | Special Requirements Code<br>Code list includessupply Special Requirements Codes '444', '555', '777', '999', 'Exx', 'Nxx', 'Sxx' and 'Xxx'. (As a measure of consistency between this 858B IC and the 856A IC enter triple-position codes 'Exx', 'Nxx', 'Sxx' and 'Xxx' where the first byte is literal and the 'xx' represent any valid alpha-numeric value that completes the code as defined by the Supply Community).<br>Change per DM 1014<br><br>[T_2 54/56] | M | AN | 3/3 | 2 | 105 | O | 1 | >1 | 1 | HL | H302 | 153 | C | AN | 2/30 |
| 67 | 2001 | **L5 SEGMENT - Air Commodity Code**<br>SEGMENT CONDITION: Required for and used only for air shipments. | C | | | 2 | 130 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. P0304C0706P0809 | | | | |
| 67-03 | 2001 | Air Commodity Code<br>This is paired with the special handling code that is mapped to the N9 segment (HL loop position 100).<br><br>[T_2 18/18] | M | AN | 1/1 | 2 | 130 | O | 10 | >1 | 1 | HL | L503 | 22 | C | AN | 1/30 |

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| 67-04 | 2001 | Air Commodity Code Qualifier<br>Z - Mutually defined<br>*Use 'Z' to denote Water Special Handling Code.* | M | ID | 1/1 | 2 | 130 | O | 10 | >1 | 1 | HL | L504 | 23 | C | ID | 1/1 |
| 68 | 2001 | **L5 SEGMENT - Water Commodity Code**<br>SEGMENT CONDITION: Use for Water Commodity Codes. | C | | | 2 | 130 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. P0304C0706P0809 | | | | |
| 68-03 | 2001 | Water Commodity Code<br>This is paired with the water Type Cargo Code and the Special Handling Code that are mapped to the N9 segments (HL loop position 100).<br>[T_2 15/17] | M | AN | 3/3 | 2 | 130 | O | 10 | >1 | 1 | HL | L503 | 22 | C | AN | 1/30 |
| 68-04 | 2001 | Water Commodity Code Qualifier<br>I - Milstamp AITC or Water Commodity Code<br>*Use 'I' to denote Water Commodity Code.* | M | ID | 1/1 | 2 | 130 | O | 10 | >1 | 1 | HL | L504 | 23 | C | ID | 1/1 |
| 69 | 2014 | **L5 SEGMENT - Reefer Temperature**<br>SEGMENT CONDITION: Use this element when reefer cargo must be maintained within a specified temperature range. | C | | | 2 | 130 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. P0304C0706P0809 | | | | |
| 69-03 | 2014 | Reefer Temperature<br>For reefer vans, enter the temperature or temperature range required to properly maintain the cargo, e.g., 34 degrees is shown as 34, 34 to 41degrees is shown as 34-41.<br>CHANGE NOTE: Use L503 (rather than L502) for Reefer Temperature per DM 763.<br>[T_9 15/19] | M | AN | 2/7 | 2 | 130 | O | 10 | >1 | 1 | HL | L503 | 22 | C | AN | 1/30 |
| 69-04 | 2014 | Reefer Temperature Qualifier<br>C - Canadian Freight Classification<br>*Use 'C' to denote Reefer Temperature measured in Centigrade.*<br>F - National Stock Number<br>*Use 'F' to denote Fahrenheit.* | M | ID | 1/1 | 2 | 130 | O | 10 | >1 | 1 | HL | L504 | 23 | C | ID | 1/1 |
| 70 | 2001 | **Y7 SEGMENT - Transportation Priority Code**<br>SEGMENT CONDITION: Use when priority code applies. | C | | | 2 | 137 | O | 2 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. P0203 | | | | |
| 70-01 | 2001 | Transportation Priority Code<br>Enter the highest transportation priority contained in the loaded SEAVAN/RORO/463L.<br>[T_2 53/53] | M | N0 | 1/1 | 2 | 137 | O | 2 | >1 | 1 | HL | Y701 | 467 | O | N0 | 1/1 |

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| 71 | 2001 | **G62 SEGMENT - Date/Time (UTC) Shipped to POE**<br>SEGMENT CONDITION: Required for air and water shipment to a POE - not for shipment to a CCP or for shipment loaded at POE. | C | | | 2 | 138 | O | 10 | >1 | 1 | HL<br>See X12 Standards for explanation of syntax notes. R0103P0102P0304 | | | | | |
| 71-01 | 2001 | Date (UTC) Shipped to POE Qualifier<br>Use code value '17' when DLA-sourced 463L air pallet processing status code values 'C' and 'T' (NTE02 - DG 9801).<br>CHANGE NOTE: Code value '17' and user note added per DM 807.<br><br>17 - Estimated Delivery Date<br><br>*Use '17' to denote Estimated Date/Time Shipped to POE.*<br><br>SE - Date Shipped to Port of Embarkation (POE) | M | ID | 2/2 | 2 | 138 | O | 10 | >1 | 1 | HL | G6201 | 432 | C | ID | 2/2 |
| 71-02 | 2001 | Date (UTC) Shipped to POE<br>For air shipments, the date appears in DTR TCMD T_2 record positions 61/62. This date is paired with the time in G6204. The DTR value is an ordinal number that represents a day of the year on a 365 day calendar. Convert the ordinal to a standard date format of CCYYMMDD. (Example: ordinal value 23 could equal days 23, 123, 223, or 323).<br><br>For water shipments, the date appears in Julian format in DTR TCMD T_2 record positions 60/62.<br><br>[T_2 60/62] | M | DT | 8/8 | 2 | 138 | O | 10 | >1 | 1 | HL | G6202 | 373 | C | DT | 8/8 |
| 71-03 | 2001 | Time (UTC) Shipped to APOE Qualifier<br>ELEMENT CONDITION: Required for and used only for air shipments.<br><br>D - Estimated Departure Time | C | ID | 1/1 | 2 | 138 | O | 10 | >1 | 1 | HL | G6203 | 176 | C | ID | 1/2 |
| 71-04 | 2001 | Time (UTC) Shipped to APOE<br>Enter time in 24 hr time format (HHMM).<br><br>ELEMENT CONDITION: Required for and used only for air shipments.<br><br>[T_2 60/60] | C | TM | 4/4 | 2 | 138 | O | 10 | >1 | 1 | HL | G6204 | 337 | C | TM | 4/8 |
| 71-05 | 2001 | UTC Date/Time Zone Indicator<br>Universal Time Coordinate (UTC), also referred to as Greenwich Mean Time (GMT), for both G6202 and G6204.<br><br>ELEMENT CONDITION: Required for and used only for air shipments.<br><br>SOURCE: ISO 8601 available from American National Standards Institute<br><br>UT - Universal Time Coordinate | C | ID | 2/2 | 2 | 138 | O | 10 | >1 | 1 | HL | G6205 | 623 | O | ID | 2/2 |

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| 72 | 2001 | **G62 SEGMENT - Contractual RDD (UTC)**<br>SEGMENT CONDITION: Use when a commercial ocean booking RDD is provided.<br><br>Required Delivery Date (RDD) should also be provided in the G62 Segment (Required Delivery Date) if available.<br><br>CHANGE NOTE: Segment added per DM 839. | C | | | 2 | 138 | O | 10 | >1 | 1 | HL<br>See X12 Standards for explanation of syntax notes. R0103P0102P0304 | | | | | |
| 72-01 | 2001 | Contractual RDD Qualifier<br>BD - Required By<br><br>*Use 'BD' to denote Contractual RDD.* | M | ID | 2/2 | 2 | 138 | O | 10 | >1 | 1 | HL | G6201 | 432 | C | ID | 2/2 |
| 72-02 | 2001 | Contractual RDD<br>Enter the contractual booking RDD which was accepted by the ocean carrier during the booking process as YYYYMMDD. Specify date in Coordinated Universal Time (UTC).<br><br>[T_2 54/56] | M | DT | 8/8 | 2 | 138 | O | 10 | >1 | 1 | HL | G6202 | 373 | C | DT | 8/8 |
| 73 | 2001 | **G62 SEGMENT - Required Delivery Date (RDD) (UTC)**<br>SEGMENT CONDITION: Use when RDD furnished by the application system as Julian date. | C | | | 2 | 138 | O | 10 | >1 | 1 | HL<br>See X12 Standards for explanation of syntax notes. R0103P0102P0304 | | | | | |
| 73-01 | 2001 | Required Delivery Date (RDD) Qualifier<br>54 - Deliver No Later Than Date | M | ID | 2/2 | 2 | 138 | O | 10 | >1 | 1 | HL | G6201 | 432 | C | ID | 2/2 |
| 73-02 | 2001 | Required Delivery Date (RDD) (UTC)<br>If DTR TCMD T_2 record positions 54/56 are other than 1 to 366, then map to H302 (HL loop position 105) as an expedited handling code.<br><br>[T_2 54/56] | M | DT | 8/8 | 2 | 138 | O | 10 | >1 | 1 | HL | G6202 | 373 | C | DT | 8/8 |
| 74 | 2001 | **NTE SEGMENT - Shipment Unit Adjustment Code**<br>SEGMENT CONDITION: Use this segment only when BX01 contains code value '03' or '04'. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 74-01 | 2001 | Shipment Unit Adjustment Code Qualifier<br>ACN - Action Taken<br><br>*Use 'ACN' to denote Shipment Unit Adjustment Code.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 74-02 | 2001 | Shipment Unit Adjustment Code<br>Enter the following values that correspond to code value contained in BX01:<br><br>For BX01 code value '03' enter value 'Deletion'<br>For BX01 code value '04' enter value 'Correction',<br><br>followed by the date in CCYYMMDD format | M | AN | 16/18 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |

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| 75 | 2001 | **L0 SEGMENT - SEAVAN/RORO/463L Piece, Weight, Cube, and Type Pack** | M | | | 2 | 145 | O | 1 | 20 | 2 | L0 | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315 | | | | | | | | | | | |
| 75-04 | 2001 | Weight of SEAVAN/RORO/463L<br>For SEAVAN, enter the weight of the contents. For ROROs, enter the weight of the RORO plus its contents. For 463L enter weight of pallet plus its contents.<br>[T_2 72/76] | M | R | 1/10 | 2 | 145 | O | 1 | 20 | 2 | L0 | L004 | 81 | C | R | 1/10 |
| 75-05 | 2001 | Weight of SEAVAN/RORO/463L Qualifier<br>G - Gross Weight<br>*Use 'G' to denote Weight for RORO.*<br>N - Actual Net Weight | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L005 | 187 | C | ID | 1/2 |
| 75-06 | 2001 | Cube of SEAVAN/RORO/463L<br>Enter the cube of the contents for a SEAVAN shipment. For 463L enter the total cube of the 463L pallet plus its contents. Enter the total cube of the RORO (total cube is based on length, width, and height of RORO, including any exposed cargo). All cube entries should be rounded to whole numbers.<br>CHANGE NOTE: Reference to whole numbers added per DM 810.<br>[T_2 77/80] | M | R | 1/8 | 2 | 145 | O | 1 | 20 | 2 | L0 | L006 | 183 | C | R | 1/8 |
| 75-07 | 2001 | Cube of SEAVAN/RORO/463L Qualifier<br>E - Cubic Feet | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L007 | 184 | C | ID | 1/1 |
| 75-08 | 2001 | Total Number of Pieces<br>For SEAVAN enter actual number of shipment unit pieces loaded in the SEAVAN. For RORO or 463L always enter the value one (1).<br>[T_2 68/71] | M | N0 | 1/7 | 2 | 145 | O | 1 | 20 | 2 | L0 | L008 | 80 | C | N0 | 1/7 |
| 75-09 | 2001 | Type Pack Code<br>[T_2 28/29]<br>PLL - [Migration Code] 463L pallet<br>TBN - Tote Bin<br>*Use 'TBN' to denote SEAVAN.*<br>WHE - On Own Wheel<br>*Use 'WHE' to denote RORO.* | M | ID | 3/3 | 2 | 145 | O | 1 | 20 | 2 | L0 | L009 | 211 | C | ID | 3/3 |

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| 76 | 2001 | **MEA SEGMENT - Total Number of Shipment Units**<br>SEGMENT CONDITION: Not used for T_2 records for 463L pallets. | C | | | 2 | 160 | O | 10 | 20 | 2 | L0 | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R03050608C0504C0604L07030506E0803 | | | | | | | | | | | |
| 76-01 | 2001 | Total Number of Shipment Units Count Qualifier<br>CT - Counts | M | ID | 2/2 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA01 | 737 | O | ID | 2/2 |
| 76-02 | 2001 | Total Number of Shipment Units Qualifier<br>SU - Shipped Units | M | ID | 2/2 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA02 | 738 | O | ID | 1/3 |
| 76-03 | 2001 | Total Number of Shipment Units<br>Enter the total number of shipment units loaded in the SEAVAN or RORO.<br>[T_2 58/59] | M | R | 1/4 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA03 | 739 | C | R | 1/20 |
| 77 | 2001 | **FA1 SEGMENT - 463L (T_2)**<br>SEGMENT CONDITION: Use this segment for the Transportation Account Code (TAC).This segment begins the appropriation number loop for T_2 data (DG 2001). It calls for both FA1 and FA2 segments.<br>Carriers do not need to receive appropriation data. 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. | C | | | 2 | 230 | O | 1 | >1 | 2 | FA1 | | | | | |
| 77-01 | 2001 | Agency Qualifier Code<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 | O | 1 | >1 | 2 | FA1 | FA101 | 559 | M | ID | 2/2 |
| 78 | 2001 | **FA2 SEGMENT - 463L Appropriation Elements (T_2)**<br>Required when FA1 segment is used. | M | | | 2 | 240 | M | >1 | >1 | 2 | FA1 | | | | | |
| 78-01 | 2001 | Breakdown Structure Detail Code (T_2)<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 |

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| 78-02 | 2001 | Financial Information Code (T_2)<br>When FA201 code value is '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.<br>[T_2 64/67] | M | AN | 1/80 | 2 | 240 | M | >1 | >1 | 2 | FA1 | FA202 | 1195 | M | AN | 1/80 |
| 79 | 2001 | **N1 SEGMENT - Loading Activity DoDAAC**<br>SEGMENT CONDITION: This segment identifies the activity loading the shipment units and/or consolidation containers into a RORO or onto a 463L pallet. | C | | | 2 | 290 | O | 1 | 4 | 2 | N1 | See X12 Standards for explanation of syntax notes. R0203P0304 | | | | |
| 79-01 | 2001 | Loading Activity Qualifier<br>LP - Loading Party | M | ID | 2/2 | 2 | 290 | O | 1 | 4 | 2 | N1 | N101 | 98 | M | ID | 2/3 |
| 79-03 | 2001 | Loading Activity DoDAAC Qualifier<br>10 - Department of Defense Activity Address Code (DODAAC) | M | ID | 2/2 | 2 | 290 | O | 1 | 4 | 2 | N1 | N103 | 66 | C | ID | 1/2 |
| 79-04 | 2001 | Loading Activity DoDAAC<br>Enter the DoDAAC of the Loading Activity.<br>[T_2 9/14] | M | AN | 6/6 | 2 | 290 | O | 1 | 4 | 2 | N1 | N104 | 67 | C | AN | 2/80 |
| 80 | 2001 | **N1 SEGMENT - Consignee of SEAVAN/RORO/463L**<br>This segment identifies the activity receiving the SEAVAN/RORO/463L. | M | | | 2 | 290 | O | 1 | 4 | 2 | N1 | See X12 Standards for explanation of syntax notes. R0203P0304 | | | | |
| 80-01 | 2001 | Consignee of SEAVAN/RORO/463L Qualifier<br>CE - Consignee (To receive large parcels and freight) | M | ID | 2/2 | 2 | 290 | O | 1 | 4 | 2 | N1 | N101 | 98 | M | ID | 2/3 |
| 80-03 | 2001 | Consignee of SEAVAN/RORO/463L DoDAAC Qualifier<br>10 - Department of Defense Activity Address Code (DODAAC) | M | ID | 2/2 | 2 | 290 | O | 1 | 4 | 2 | N1 | N103 | 66 | C | ID | 1/2 |
| 80-04 | 2001 | Consignee of SEAVAN/RORO/463L DoDAAC<br>Enter the DoDAAC for the final consignee. For stop-offs, use N9/N1 segments (HL loop positions 100/290).<br>[T_2 47/52] | M | AN | 6/6 | 2 | 290 | O | 1 | 4 | 2 | N1 | N104 | 67 | C | AN | 2/80 |
| 81 | 2014 | **N1 SEGMENT - Van Point of Origin**<br>SEGMENT CONDITION: Use for SEAVAN shipments. | C | | | 2 | 290 | O | 1 | 4 | 2 | N1 | See X12 Standards for explanation of syntax notes. R0203P0304 | | | | |
| 81-01 | 2014 | Van Point of Origin Qualifier<br>OT - Origin Terminal | M | ID | 2/2 | 2 | 290 | O | 1 | 4 | 2 | N1 | N101 | 98 | M | ID | 2/3 |

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| 81-03 | 2014 | Van Point of Origin ZIP Code Qualifier<br>16 - ZIP Code | M | ID | 2/2 | 2 | 290 | O | 1 | 4 | 2 | N1 | N103 | 66 | C | ID | 1/2 |
| 81-04 | 2014 | Van Point of Origin ZIP Code<br>Van's Point of Origin five-digit ZIP code with optional hyphen and ZIP + 4.<br>[T_9 10/14] | M | AN | 5/10 | 2 | 290 | O | 1 | 4 | 2 | N1 | N104 | 67 | C | AN | 2/80 |
| 82 | 3001 | **HL SEGMENT - Other Consolidations (Not SEAVAN/RORO/463L) (T_3)**<br>LOOP CONDITION: This HL loop is required when passing header and trailer data associated with a multi-shipment unit consolidation other than a SEAVAN/RORO/463L. | C | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| 82-01 | 3001 | Hierarchical (Segment) ID Number<br>Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.) | M | AN | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| 82-02 | 3001 | Hierarchical Parent ID Number<br>ELEMENT CONDITION: Enter parent loop ID only if this is the child of larger SEAVAN/RORO/463L consolidation (HL03=2) or is the child of a nested unitized load (HL03=3). Otherwise, do not use this data element. | C | AN | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL02 | 734 | O | AN | 1/12 |
| 82-03 | 3001 | Hierarchical Level Code<br>Use code value '3' to indicate that the HL loop contains information from DTR T_3 records for a multi-shipment unit consolidation corresponding to DG 3001, along with related trailer data corresponding to DG 3014.<br>3 - Sub-Billing Arrangement | M | ID | 1/1 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| 83 | 3014 | **N7 SEGMENT - Other Consolidation Identification Number**<br>SEGMENT CONDITION: Use this segment for other consolidation shipments. | C | | | 2 | 020 | O | 1 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0304P0516P0809 | | | | | | | | | | | |
| 83-02 | 3014 | Other Consolidation Identification Number<br>Enter the identification number marked on the consolidation.<br>[T_9 56/65] | M | AN | 1/10 | 2 | 020 | O | 1 | >1 | 1 | HL | N702 | 207 | M | AN | 1/10 |
| 84 | 3001 | **REF SEGMENT - Type of Shipment Code** | M | | | 2 | 060 | O | 5 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R0203 | | | | | | | | | | | |
| 84-01 | 3001 | Type of Shipment Code Qualifier<br>ZZ - Mutually Defined<br>*Use 'ZZ' to denote Type of Shipment Information.* | M | ID | 2/2 | 2 | 060 | O | 5 | >1 | 1 | HL | REF01 | 128 | M | ID | 2/3 |

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| 84-02 | 3001 | Type of Shipment Code<br>This is the second position of the TCMD Document Identifier code as defined by the 'Document Id 2nd Position Code' table found in USTranscom Reference Data Management (TRDM), mirrored at http://www.transcom.mil/dteb/files/refdata/V_DOC_ID_2_DOM.htm.<br><br>Reference added per DM 1052.<br><br>SOURCE: DTR, Part II, Appendix DD<br><br>[T_3 2/2] | M | AN | 1/1 | 2 | 060 | O | 5 | >1 | 1 | HL | REF02 | 127 | C | AN | 1/30 |
| 85 | 3001 | **N9 SEGMENT - Stop-Off Indicator**<br>SEGMENT CONDITION: This segment is required when describing stop-offs for a consolidated shipment loaded into a SEAVAN. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 85-01 | 3001 | Stop-Off Indicator Qualifier<br>QN - Stop Sequence Number | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 85-02 | 3001 | Stop-Off Indicator<br>Enter the stop-off sequence number for the SEAVAN, where the consolidated shipment should be delivered. Sequence numbers range from 1-9. For cargo going to the final destination of the SEAVAN, enter value 'Z'.<br><br>[T_3 63/63] | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 86 | 3001 | **N9 SEGMENT - Estimated Transit Days to POE**<br>SEGMENT CONDITION: This segment applies to consolidations not in a SEAVAN. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 86-01 | 3001 | Estimated Transit Days to POE Qualifier<br>AR - Arrival Code<br><br>*Use 'AR' to denote Estimated Transit Days to POE.* | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 86-02 | 3001 | Estimated Transit Days to POE<br>This figure expresses the number of days from expected time of departure from the shipper to expected time of arrival at the POE (estimated days in transit).<br><br>[T_3 63/63] | M | AN | 1/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 87 | 3001 | **N9 SEGMENT - TCN** | M | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 87-01 | 3001 | 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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| 87-02 | 3001 | TCN<br>Enter the TCN of the consolidated shipment unit.<br>[T_3 30/46] | M | AN | 17/17 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 88 | 3001 | **N9 SEGMENT - Transportation Tracking Number (TTN)**<br>SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.<br>CHANGE NOTE: Segment added per DM 887. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 88-01 | 3001 | 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 | N901 | 128 | M | ID | 2/3 |
| 88-02 | 3001 | Transportation Tracking Number (TTN) | M | AN | 17/17 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 89 | 3001 | **N9 SEGMENT - Project Code**<br>SEGMENT CONDITION: Required when Project Code applies. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 89-01 | 3001 | Project Code Qualifier<br>P4 - Project Code | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 89-02 | 3001 | Project Code<br>[T_3 57/59] | M | AN | 3/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 90 | 3001 | **N9 SEGMENT - Short Shelf Life Identification Code**<br>SEGMENT CONDITION: Use for air shipments, when shelf life is applicable. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 90-01 | 3001 | Short Shelf Life Identification Code Qualifier<br>SHL - Shelf Life Indicator<br>*Use 'SHL' to denote Short Shelf Life Identification Code.* | M | ID | 3/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |

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| 90-02 | 3001 | Short Shelf Life Identification Code<br>For short shelf-life items, enter one of the following values (Short Shelf Life Identification Codes):<br>.<br>CHANGE NOTE: Value 'X' replaced value 'Z' per DM 838.<br>[T_3 15/15]<br>K - General Services Administration (GSA)-managed sealants/adhesives<br>M - Medical Items<br>X - All Other Short Shelf-life Items | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 91 | 3001 | **N9 SEGMENT - Water Type Cargo Code**<br>SEGMENT CONDITION: This segment is required for water shipments. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 91-01 | 3001 | Water Type Cargo Code Qualifier<br>PHC - Process Handling Code<br>*Use 'PHC' to denote Water Type Cargo Code.* | M | ID | 3/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 91-02 | 3001 | Water Type Cargo Code<br>This is paired with the water commodity code that is mapped to the L5 Segment (HL loop position 130).<br>[T_3 18/18] | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 92 | 3001 | **N9 SEGMENT - Special Handling Code**<br>Use this segment for shipments transiting through an Air or Sea Port. | M | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 92-01 | 3001 | Special Handling Code Qualifier<br>AHC - Air Handling Code<br>SU - Special Processing Code<br>*Use 'SU' to denote Water Special Handling Code.* | M | ID | 2/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 92-02 | 3001 | Special Handling Code<br>For water shipments, enter the one-position special handling code from Appendix LL of the DTR Part II. This is paired with the water commodity code mapped to the L5 segment (HL loop position 130).<br>For air shipments, enter the special handling code from Appendix Z of the DTR Part II.<br>[T_3 19/19] | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 93 | 3001 | **N9 SEGMENT - Air Dimension Code**<br>SEGMENT CONDITION: Required for air shipments. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |

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| 93-01 | 3001 | Air Dimension Code Qualifier<br>ADM - Air Dimension Code | M | ID | 3/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 93-02 | 3001 | Air Dimension Code<br>[T_3 20/20] | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 94 | 3001 | **H3 SEGMENT - Special Requirements Code**<br>SEGMENT CONDITION: Use this segment when a Special Requirements Code applies. Do not enter a Julian date for the Special Requirements Code. | C | | | 2 | 105 | O | 1 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. E0102 | | | | |
| 94-02 | 3001 | Special Requirements Code<br>Code list includessupply Special Requirements Codes '444', '555', '777', '999', 'Exx', 'Nxx', 'Sxx' and 'Xxx'. (As a measure of consistency between this 858B IC and the 856A IC enter triple-position codes 'Exx', 'Nxx', 'Sxx' and 'Xxx' where the first byte is literal and the 'xx' represent any valid alpha-numeric value that completes the code as defined by the Supply Community).<br>Change per DM 1014<br>[T_3 54/56] | M | AN | 3/3 | 2 | 105 | O | 1 | >1 | 1 | HL | H302 | 153 | C | AN | 2/30 |
| 95 | 3001 | **L5 SEGMENT - Air Commodity Code**<br>SEGMENT CONDITION: Required for and used only for air shipments. | C | | | 2 | 130 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. P0304C0706P0809 | | | | |
| 95-03 | 3001 | Air Commodity Code<br>This is paired with the special handling code that is mapped to the N9 segment (HL loop position 100).<br>[T_3 18/18] | M | AN | 1/1 | 2 | 130 | O | 10 | >1 | 1 | HL | L503 | 22 | C | AN | 1/30 |
| 95-04 | 3001 | Air Commodity Code Qualifier<br>Z - Mutually defined<br>*Use 'Z' to denote Air Commodity Code.* | M | ID | 1/1 | 2 | 130 | O | 10 | >1 | 1 | HL | L504 | 23 | C | ID | 1/1 |
| 96 | 3001 | **L5 SEGMENT - Water Commodity Code**<br>SEGMENT CONDITION: Required for and used only for water shipments. | C | | | 2 | 130 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. P0304C0706P0809 | | | | |
| 96-03 | 3001 | Water Commodity Code<br>This is paired with the Water Type Cargo Code and the Special Handling Code that are mapped to the N9 segments (HL loop position 100).<br>[T_3 15/17] | M | AN | 3/3 | 2 | 130 | O | 10 | >1 | 1 | HL | L503 | 22 | C | AN | 1/30 |
| 96-04 | 3001 | Water Commodity Code Qualifier<br>I - Milstamp AITC or Water Commodity Code | M | ID | 1/1 | 2 | 130 | O | 10 | >1 | 1 | HL | L504 | 23 | C | ID | 1/1 |

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| 97 | 3001 | **Y7 SEGMENT - Transportation Priority Code**<br>SEGMENT CONDITION: Use when Priority Code applies. | C | | | 2 | 137 | O | 2 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0203 | | | | | | | | | | | |
| 97-01 | 3001 | Transportation Priority Code<br>Enter the highest transportation priority loaded in the shipment unit.<br>[T_3 53/53] | M | N0 | 1/1 | 2 | 137 | O | 2 | >1 | 1 | HL | Y701 | 467 | O | N0 | 1/1 |
| 98 | 3001 | **G62 SEGMENT - Date/Time (UTC) Shipped to POE**<br>SEGMENT CONDITION: Required for air and water shipments to a POE - not for shipments to a CCP or for shipments loaded at POE. | C | | | 2 | 138 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R0103P0102P0304 | | | | | | | | | | | |
| 98-01 | 3001 | Date (UTC) Shipped to POE Qualifier<br>SE - Date Shipped to Port of Embarkation (POE) | M | ID | 2/2 | 2 | 138 | O | 10 | >1 | 1 | HL | G6201 | 432 | C | ID | 2/2 |
| 98-02 | 3001 | Date (UTC) Shipped to POE<br>For air shipments, the date appears in DTR TCMD T_3 record positions 61/62. This date is paired with the time in G6204. The DTR value is an ordinal number that represents a day of the year on a 365 day calendar. Convert the ordinal to a standard date format of CCYYMMDD. (Example: ordinal value 23 could equal days 23, 123, 223, or 323)<br>For water shipments, the date appears in Julian format in DTR TCMD T_3 record positions 60/62.<br>[T_3 60/62] | M | DT | 8/8 | 2 | 138 | O | 10 | >1 | 1 | HL | G6202 | 373 | C | DT | 8/8 |
| 98-03 | 3001 | Time (UTC) Shipped to APOE Qualifier<br>ELEMENT CONDITION: Required for and used only for air shipments.<br>D - Estimated Departure Time | C | ID | 1/1 | 2 | 138 | O | 10 | >1 | 1 | HL | G6203 | 176 | C | ID | 1/2 |
| 98-04 | 3001 | Time (UTC) Shipped to APOE<br>Enter time in 24 hr time format (HHMM).<br>ELEMENT CONDITION: Required for and used only for air shipments.<br>[T_3 60/60] | C | TM | 4/4 | 2 | 138 | O | 10 | >1 | 1 | HL | G6204 | 337 | C | TM | 4/8 |
| 98-05 | 3001 | UTC Date/Time Zone Indicator<br>Use Universal Time Coordinate (UTC), also referred to as Greenwich Mean Time (GMT), for both G6202 and G6204.<br>ELEMENT CONDITION: Required and used only for air shipments.<br>SOURCE: ISO 8601 available from American National Standards Institute<br>UT - Universal Time Coordinate | C | ID | 2/2 | 2 | 138 | O | 10 | >1 | 1 | HL | G6205 | 623 | O | ID | 2/2 |

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| 99 | 3001 | **G62 SEGMENT - Required Delivery Date (RDD)**<br>SEGMENT CONDITION: Use when RDD furnished by the application system. | C | | | 2 | 138 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R0103P0102P0304 | | | | | | | | | | | |
| 99-01 | 3001 | Required Delivery Date (RDD) Qualifier<br>54 - Deliver No Later Than Date | M | ID | 2/2 | 2 | 138 | O | 10 | >1 | 1 | HL | G6201 | 432 | C | ID | 2/2 |
| 99-02 | 3001 | Required Delivery Date (RDD)<br>If DTR TCMD T_3 record positions 54/56 are other than 1 to 366, then map to H302 (HL loop position 105) as an expedited handling code.<br><br>[T_3 54/56] | M | DT | 8/8 | 2 | 138 | O | 10 | >1 | 1 | HL | G6202 | 373 | C | DT | 8/8 |
| 100 | 3001 | **NTE SEGMENT - Shipment Unit Adjustment Code**<br>SEGMENT CONDITION: Use this segment only when BX01 contains code value '03' or '04'.<br><br>CHANGE NOTE: Segment added per DM 704B. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 100-01 | 3001 | Shipment Unit Adjustment Code Qualifier<br>ACN - Action Taken<br><br>*Use 'ACN' to denote Shipment Unit Adjustment Code.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 100-02 | 3001 | Shipment Unit Adjustment Code<br>Enter the date in CCYYMMDD format, preceded by one of the following values, corresponding to code value contained in BX01:<br><br>For BX01 code value '03', enter value 'Deletion' followed by date.<br>For BX01 code value '04' enter value 'Correction' followed by date.<br><br>[TAJ 4/4],[T_J 53/53],[T_R 53/53] | M | AN | 16/18 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 101 | 3001 | **L0 SEGMENT - Piece, Weight, Cube and Type Pack** | M | | | 2 | 145 | O | 1 | 20 | 2 | L0 | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315 | | | | | | | | | | | |
| 101-04 | 3001 | Total Weight of Shipment Unit<br>Enter total weight of the consolidated shipment and its contents in whole pounds.<br><br>[T_3 72/76] | M | R | 1/10 | 2 | 145 | O | 1 | 20 | 2 | L0 | L004 | 81 | C | R | 1/10 |
| 101-05 | 3001 | 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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| 101-06 | 3001 | Total Cube of Shipment Unit<br>Enter the total cube of the consolidated shipment. Total cube is based on length, width, and height of the consolidated shipment, including any exposed cargo. All cube entries should be rounded to whole numbers.<br>CHANGE NOTE: Reference to whole numbers added per DM 810.<br>[T_3 77/80] | M | R | 1/8 | 2 | 145 | O | 1 | 20 | 2 | L0 | L006 | 183 | C | R | 1/8 |
| 101-07 | 3001 | Cube Qualifier<br>E - Cubic Feet | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L007 | 184 | C | ID | 1/1 |
| 101-08 | 3001 | Number of Pieces for the Shipment Unit<br>Enter value one (1).<br>[T_3 68/71] | M | N0 | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L008 | 80 | C | N0 | 1/7 |
| 101-09 | 3001 | Type Pack Code<br>PLL - [Migration Code] 463L pallet.<br>[T_3 28/29]<br>See Section 6 for list of data values. | M | ID | 3/3 | 2 | 145 | O | 1 | 20 | 2 | L0 | L009 | 211 | C | ID | 3/3 |
| 102 | 3001 | **FA1 SEGMENT - Other Consolidations (Not SEAVAN/RORO/463L) (T_3)**<br>SEGMENT CONDITION: Use this segment for the Transportation Account Code (TAC) when available.This segment begins the appropriation number loop for T_3 data (DG 3001). It calls for both FA1 and FA2 segments.<br>Carriers do not need to receive appropriation data. 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. | C | | | 2 | 230 | O | 1 | >1 | 2 | FA1 | | | | | |
| 102-01 | 3001 | Agency Qualifier Code<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 | O | 1 | >1 | 2 | FA1 | FA101 | 559 | M | ID | 2/2 |
| 103 | 3001 | **FA2 SEGMENT - Other Consolidations (Not SEAVAN/RORO/463L) (T_3)**<br>Required when FA1 segment is used. | M | | | 2 | 240 | M | >1 | >1 | 2 | FA1 | | | | | |

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| 103-01 | 3001 | Breakdown Structure Detail Code (T_3)<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 |
| 103-02 | 3001 | Financial Information Code (T_3)<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.<br>[T_3 64/67] | M | AN | 1/80 | 2 | 240 | M | >1 | >1 | 2 | FA1 | FA202 | 1195 | M | AN | 1/80 |
| 104 | 3001 | **N1 SEGMENT - Loading Activity**<br>LOOP CONDITION: This segment identifies the activity loading the consolidated shipment into a SEAVAN/RORO or onto a 463L pallet. | C | | | 2 | 290 | O | 1 | 4 | 2 | N1 | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R0203P0304 | | | | | | | | | | | |
| 104-01 | 3001 | Loading Activity Qualifier<br>LP - Loading Party | M | ID | 2/2 | 2 | 290 | O | 1 | 4 | 2 | N1 | N101 | 98 | M | ID | 2/3 |
| 104-03 | 3001 | Loading Activity DoDAAC Qualifier<br>10 - Department of Defense Activity Address Code (DODAAC) | M | ID | 2/2 | 2 | 290 | O | 1 | 4 | 2 | N1 | N103 | 66 | C | ID | 1/2 |
| 104-04 | 3001 | Loading Activity DoDAAC<br>Enter the DoDAAC of the activity loading the consolidated shipment.<br>[T_3 9/14] | M | AN | 6/6 | 2 | 290 | O | 1 | 4 | 2 | N1 | N104 | 67 | C | AN | 2/80 |
| 105 | 3001 | **N1 SEGMENT - Consignee of the Consolidated Shipment** | M | | | 2 | 290 | O | 1 | 4 | 2 | N1 | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R0203P0304 | | | | | | | | | | | |
| 105-01 | 3001 | Consignee of the Consolidated Shipment Qualifier<br>CE - Consignee (To receive large parcels and freight) | M | ID | 2/2 | 2 | 290 | O | 1 | 4 | 2 | N1 | N101 | 98 | M | ID | 2/3 |
| 105-03 | 3001 | Consignee of the Consolidated Shipment DoDAAC Qualifier<br>10 - Department of Defense Activity Address Code (DODAAC) | M | ID | 2/2 | 2 | 290 | O | 1 | 4 | 2 | N1 | N103 | 66 | C | ID | 1/2 |
| 105-04 | 3001 | Consignee of the Consolidated Shipment DoDAAC<br>Enter the DoDAAC for consignee of the consolidated shipment.<br>[T_3 47/52] | M | AN | 6/6 | 2 | 290 | O | 1 | 4 | 2 | N1 | N104 | 67 | C | AN | 2/80 |

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| 106 | 5001 | **HL SEGMENT - Cargo Attribute/Dimension Information (T_5)**<br>LOOP CONDITION: This HL loop is required when describing attribute/dimension information (each T_5) for all Government vehicles, trailers, tracked/wheeled guns, aircraft, and outsize general cargo. Repeat this loop for each Government vehicle, trailer, tracked/wheeled gun, or aircraft. Also repeat this loop for outsize general cargo that exceeds 84 inches in any one of the dimensions.<br><br>CHANGE NOTE: Change dimension 72" to 84" per DM 889 | C | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| 106-01 | 5001 | Hierarchical (Segment) ID Number<br>Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.) | M | AN | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| 106-02 | 5001 | Hierarchical Parent ID Number<br>Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001, DG 2001, or DG 3001 parent HL loop here. | M | AN | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL02 | 734 | O | AN | 1/12 |
| 106-03 | 5001 | Hierarchical Level Code<br>Use code value '5' to indicate that the HL loop contains information from DTR T_5 records corresponding to DG 5001, along with related trailer data corresponding to DG 5013.<br><br>5 - Category | M | ID | 1/1 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| 107 | 5001 | **VC SEGMENT - Serial Number**<br>SEGMENT CONDITION: Use for shipments of Government vehicles, trailers, tracked/wheeled guns, and aircraft. | C | | | 2 | 080 | O | 24 | >1 | 1 | HL | | | | | |
| 107-01 | 5001 | Serial Number<br>Enter the Serial Number for each shipment unit.<br><br>[T_5 68/80] | M | AN | 1/25 | 2 | 080 | O | 24 | >1 | 1 | HL | VC01 | 539 | M | AN | 1/25 |
| 108 | 5001 | **N9 SEGMENT - Basic Issue Item Pieces**<br>SEGMENT CONDITION: Applies to Government vehicles, trailers, tracked/wheeled guns, and aircraft. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 108-01 | 5001 | Basic Issue Item (BII) Qualifier<br>ZZ - Mutually Defined<br><br>*Use 'ZZ' to denote Basic Issue Item Number Information.* | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |

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| 108-02 | 5001 | Basic Issue Item (BII) Pieces<br>Indicate the number of pieces of BII. (Example: BII02 for two BII items). Occurs once for each shipment unit (T_0/1/4).<br>[T_5 15/19] | M | AN | 5/5 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 109 | 5001 | **NTE SEGMENT - Model Number**<br>SEGMENT CONDITION: Applies to Government vehicles, trailers, tracked/wheeled guns, and aircraft. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 109-01 | 5001 | Model Number Qualifier<br>OTN - Another Type of Number Description<br>*Use 'OTN' to denote Model Number.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 109-02 | 5001 | Model Number<br>[T_5 9/14] | M | AN | 1/80 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 110 | 5001 | **NTE SEGMENT - Nomenclature**<br>SEGMENT CONDITION: Applies to Government vehicles, trailers, wheeled or tracked guns, and aircraft. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 110-01 | 5001 | Nomenclature Qualifier<br>EED - Equipment Description<br>*Use 'EED' to denote Nomenclature.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 110-02 | 5001 | Nomenclature<br>Enter the nomenclature of the item. Applies to Government vehicles, trailers, tracked/wheeled guns, aircraft, and outsize general cargo.<br>[T_5 9/14] | M | AN | 1/80 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 111 | 5013 | **NTE SEGMENT - Vehicle Year**<br>SEGMENT CONDITION: For vehicles shipped to Central or South America. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 111-01 | 5013 | Vehicle Year Qualifier<br>CAR - Other Related Information<br>*Use 'CAR' to denote Vehicle Year.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 111-02 | 5013 | Vehicle Year<br>Enter vehicle year for vehicle shipped to Central/South America.<br>[T_9 54/79] | M | AN | 4/4 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |

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| 112 | 5013 | **NTE SEGMENT - Vehicle Make**<br>SEGMENT CONDITION: For vehicles shipped to Central or South America. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 112-01 | 5013 | Vehicle Make Qualifier<br>CBI - Description of Title<br>*Use 'CBI' to denote Vehicle Make.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 112-02 | 5013 | Vehicle Make<br>Enter vehicle make for vehicle shipped to Central/South America.<br>[T_9 54/79] | M | AN | 1/25 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 113 | 5001 | **L0 SEGMENT - Pieces, Piece Weight, Piece Cube, and Dimensions**<br>Each DG 5001 will contain pieces, piece weight, piece cube, and dimensions. This segment creates a loop that contains MEA segments. | M | | | 2 | 145 | O | 1 | 20 | 2 | L0 | See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315 | | | | |
| 113-04 | 5001 | Weight of a Single Piece<br>Enter weight of the piece (whole number) to which the MEA segment (HL loop position 160) dimensions apply.<br>[T_5 72/76] | M | R | 1/10 | 2 | 145 | O | 1 | 20 | 2 | L0 | L004 | 81 | C | R | 1/10 |
| 113-05 | 5001 | Weight Qualifier for a Single Piece<br>G - Gross Weight | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L005 | 187 | C | ID | 1/2 |
| 113-06 | 5001 | Cube of a Single Piece<br>Enter cube of the piece (whole number) to which the MEA segment (HL loop position 160) dimensions apply.<br>[T_5 77/80] | M | R | 1/8 | 2 | 145 | O | 1 | 20 | 2 | L0 | L006 | 183 | C | R | 1/8 |
| 113-07 | 5001 | Cube Qualifier<br>E - Cubic Feet | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L007 | 184 | C | ID | 1/1 |
| 113-08 | 5001 | Pieces<br>Enter the number of shipment unit pieces to which the MEA segment (HL loop position 160) dimensions apply. Enter zero (0) for estimated number of pieces.<br>CHANGE NOTE: Use L008 (rather than L010) for Pieces per DM 762.<br>[T_5 60/71] | M | N0 | 1/7 | 2 | 145 | O | 1 | 20 | 2 | L0 | L008 | 80 | C | N0 | 1/7 |
| 113-09 | 5001 | Pieces Qualifier<br>PCS - Pieces | M | ID | 3/3 | 2 | 145 | O | 1 | 20 | 2 | L0 | L009 | 211 | C | ID | 3/3 |

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| 113-11 | 5001 | Gross Weight Units Qualifier<br>L - Pounds | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L011 | 188 | O | ID | 1/1 |
| 114 | 5001 | **MEA SEGMENT - Length** | M | | | 2 | 160 | O | 10 | 20 | 2 | L0 | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R03050608C0504C0604L07030506E0803 | | | | | | | | | | | |
| 114-01 | 5001 | Dimensions Qualifier<br>SD - Shipped Dimensions | M | ID | 2/2 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA01 | 737 | O | ID | 2/2 |
| 114-02 | 5001 | Length of a Piece(s) Qualifier<br>LN - Length | M | ID | 2/2 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA02 | 738 | O | ID | 1/3 |
| 114-03 | 5001 | Length of a Piece(s) of the Shipment Unit<br>Dimension measured in inches. T_5 59/59, which equals 'L', is not used in the 858 transaction.<br>[T_5 54/58] | M | R | 1/5 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA03 | 739 | C | R | 1/20 |
| 115 | 5001 | **MEA SEGMENT - Width** | M | | | 2 | 160 | O | 10 | 20 | 2 | L0 | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R03050608C0504C0604L07030506E0803 | | | | | | | | | | | |
| 115-01 | 5001 | Dimensions Qualifier<br>SD - Shipped Dimensions | M | ID | 2/2 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA01 | 737 | O | ID | 2/2 |
| 115-02 | 5001 | Width of Pieces Qualifier<br>WD - Width | M | ID | 2/2 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA02 | 738 | O | ID | 1/3 |
| 115-03 | 5001 | Width of a Piece(s) of the Shipment Unit<br>Dimension measured in inches. T_5 63/63, which equals 'W', is not used in the 858 transaction. | M | R | 1/4 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA03 | 739 | C | R | 1/20 |
| 116 | 5001 | **MEA SEGMENT - Height** | M | | | 2 | 160 | O | 10 | 20 | 2 | L0 | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R03050608C0504C0604L07030506E0803 | | | | | | | | | | | |
| 116-01 | 5001 | Dimensions Qualifier<br>SD - Shipped Dimensions | M | ID | 2/2 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA01 | 737 | O | ID | 2/2 |
| 116-02 | 5001 | Height of Pieces Qualifier<br>HT - Height | M | ID | 2/2 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA02 | 738 | O | ID | 1/3 |

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| 116-03 | 5001 | Height of a Piece(s) of the Shipment Unit<br>Dimension measured in inches. T_5 67/67, which equals 'H', is not used in the 858 transaction.<br><br>[T_5 64/66] | M | R | 1/4 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA03 | 739 | C | R | 1/20 |
| 117 | 6001 | **HL SEGMENT - NSN, Nomenclature, and HAZMAT Information (T_6)**<br>LOOP CONDITION: This HL loop is required when describing entries for an item NSN and a non-hazardous item nomenclature for shipments where the weight of all like items (single NSN) comprises 51 percent or more of the total shipment weight. The loop is also required for shipments when describing HAZMAT codes, ammunition round count, and IMO classification. For other than HAZMAT material, do not use this loop to describe personal effects (personal property), material for sale in stores, and material which is not covered by NSNs. It includes both T_6 and T_9 information. Repeat this loop as required. | C | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| 117-01 | 6001 | Hierarchical (Segment) ID Number<br>Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.) | M | AN | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| 117-02 | 6001 | Hierarchical Parent ID Number<br>Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001 parent HL loop here. | M | AN | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL02 | 734 | O | AN | 1/12 |
| 117-03 | 6001 | Hierarchical Level Code<br>Use code value '6' to indicate that the HL loop contains information from DTR T_6 records corresponding to DG 6001, along with related trailer data corresponding to DG 6016.<br><br>6 - Sub-Category | M | ID | 1/1 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| 118 | 6001 | **N9 SEGMENT - National Stock Number (NSN)/Part Number**<br>SEGMENT CONDITION: For a single line item shipment, enter the NSN or the CAGE code and Part number if the NSN is not known. When multiple line items are consolidated and the consolidation container comprises 51 percent or more by weight of a single NSN, enter the NSN (or the CAGE and Part-Number). | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 118-01 | 6001 | NSN/Part Number Qualifier<br>NS - National Stock Number<br><br>PM - Part Number<br><br>*Use 'PM' to denote CAGE + Part Number.* | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |

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| 118-02 | 6001 | NSN/Part Number<br>Enter one NSN or one concatenated CAGE + Part Number (whenever NSN in unavailable) per HL loop.<br><br>[T_6 54/66] | M | AN | 1/30 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 119 | 6001 | **NTE SEGMENT - Nomenclature**<br>SEGMENT CONDITION: For a non-hazardous, single line item shipment, enter the Nomenclature of the item. When multiple, non-hazardous line items are consolidated and the consolidation container comprises 51 percent or more by weight of a single NSN, enter the Nomenclature of the items that comprise 51 percent or more of the shipment weight. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 119-01 | 6001 | Nomenclature Qualifier<br>ABN - Abbreviated Nomenclature<br><br>*Use 'ABN' to denote Full Available Nomenclature.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 119-02 | 6001 | Nomenclature<br>[T_6 67/80] | M | AN | 1/80 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 120 | 6016 | **NTE SEGMENT - Protective Service**<br>SEGMENT CONDITION: Use for transportation protective service requirements in accordance with the descriptions in Appendix Z or LL of the DTR Part II.<br><br>CHANGE NOTE: Title changed and user note modified per DM 842. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 120-01 | 6016 | Protective Service Qualifier<br>CHANGE NOTE: Code definition changed per DM 842.<br><br>SSH - Security Service Information<br><br>*Use 'SSH' to denote Protective Service.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 120-02 | 6016 | Protective Service<br>Enter as free-form, abbreviated text the transportation protective service requirements in accordance with the descriptions in Appendix Z or LL of the DTR Part II.<br>CHANGE NOTE: Title and user note changed per DM 842.<br><br>SOURCE: Defense Transportation Regulations<br><br>[T_9 54/79] | M | AN | 1/80 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 121 | 6016 | **NTE SEGMENT - HAZMAT Goods Packaged Prior to January 1990 Indicator**<br>SEGMENT CONDITION: The statement: 'GOVERNMENT-OWNED GOODS PACKAGED BEFORE 1 JANUARY<br>1990' is required if HAZMAT item was originally packaged prior to 1 January 1990. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |

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| 121-01 | 6016 | HAZMAT Goods Package Prior to January 1990 Qualifier<br>VEC - Verification Comments<br><br>*Use 'VEC' to denote HAZMAT item was originally packaged prior to 1 January 1990.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 121-02 | 6016 | HAZMAT Goods Packaged Prior to January 1990 Indicator<br>Insert the following value: 'GOVERNMENT-OWNED GOODS PACKAGED BEFORE 1 JANUARY 1990'.<br><br>[T_9 54/79] | M | AN | 53/53 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 122 | 6001 | **L0 SEGMENT - HAZMAT Ammunition Round Count**<br>SEGMENT CONDITION: If Use this segment/loop for ammunition shipments only. This segment is required for X12 compliance to create a loop that contains MEA segments. | C | | | 2 | 145 | O | 1 | 20 | 2 | L0 | See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315 | | | | |
| 122-01 | 6001 | Compliance Number<br>Use the value one (1) to satisfy X12 syntax requirements. | M | N0 | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L001 | 213 | O | N0 | 1/3 |
| 123 | 6001 | **MEA SEGMENT - HAZMAT Total Round Count**<br>SEGMENT CONDITION: This segment is mandatory for ammunition. | C | | | 2 | 160 | O | 10 | 20 | 2 | L0 | See X12 Standards for explanation of syntax notes. R03050608C0504C0604L07030506E0803 | | | | |
| 123-01 | 6001 | HAZMAT Total Round Count Qualifier<br>CT - Counts | M | ID | 2/2 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA01 | 737 | O | ID | 2/2 |
| 123-03 | 6001 | HAZMAT Total Round Count<br>For ammunition, enter the Total Round Count in the shipment unit.<br><br>[T_6 9/14] | M | R | 1/20 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA03 | 739 | C | R | 1/20 |
| 124 | 6016 | **LH1 SEGMENT - HAZMAT Information**<br>LOOP CONDITION: Use a separate LH1 segment/loop for each HAZMAT item. | C | | | 2 | 170 | O | 1 | 100 | 2 | LH1 | | | | | |
| 124-01 | 6016 | HAZMAT Information<br>Use code value 'ZZ' to satisfy X12 syntax requirements. (Note: The HAZMAT Type Pack Code moved to data element LFH02 - HAZMAT Type Pack Code.)<br><br>CHANGE NOTE: Per DM 863 do the following: Rename LH101 data element. Remove reference to T_9 54/79. Select code value 'ZZ'. Replace user note as modified by FACTS guidance.<br><br>ZZ - Mutually Defined | M | ID | 2/2 | 2 | 170 | O | 1 | 100 | 2 | LH1 | LH101 | 355 | M | ID | 2/2 |

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| 124-02 | 6016 | HAZMAT Type Pack Quantity<br>For HAZMAT Type Pack Quantity enter the number of packages associated with the type of packaging referenced in the LFH (HAZMAT Type Pack Code) segment, data element LFH02.<br><br>CHANGE NOTE: Replace user note as modified by FACTS guidance per DM 863.<br><br>[T_9 54/79] | M | N0 | 1/7 | 2 | 170 | O | 1 | 100 | 2 | LH1 | LH102 | 80 | M | N0 | 1/7 |
| 124-03 | 6016 | HAZMAT UN/NA Number<br>CHANGE NOTE: User note modified per DM 838,<br><br>ELEMENT CONDITION: As applicable, enter value 'UN', value 'NA', or value 'ID' followed by four-position number.<br><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_9 54/79] | C | ID | 6/6 | 2 | 170 | O | 1 | 100 | 2 | LH1 | LH103 | 277 | O | ID | 6/6 |
| 124-05 | 6016 | HAZMAT Weight<br>CHANGE NOTE: User note corrected per DM 774.<br><br>ELEMENT CONDITION: Use when qualifier in LH106 refers to weight. Enter HAZMAT total quantity weight in pounds or kilograms except for Class 1 material which must be the net explosive mass (kilograms). For quantity exceptions, see 49 CFR 172.203.<br><br>[T_9 54/79] | C | AN | 1/7 | 2 | 170 | O | 1 | 100 | 2 | LH1 | LH105 | 22 | O | AN | 1/30 |

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| 124-06 | 6016 | HAZMAT Volume or Weight Qualifier<br>CHANGE NOTE: User note modified per DM 838.<br><br>Select from the following code values from DE 355 to qualify weight or volume carried in either LH105 or LH107.<br><br>When code value 'ZZ' applies, use it to denote 'Radioactive' or 'MILS' data (volume).<br><br>CC - Cubic Centimeter<br><br>CF - Cubic Feet<br><br>CR - Cubic Meter<br><br>GA - Gallon<br><br>GR - Gram<br><br>GT - Gross Kilogram<br><br>KG - Kilogram<br><br>LB - Pound<br><br>LT - Liter<br><br>ML - Milliliter<br><br>PJ - Pounds, Decimal - Pounds per Square Foot - Pound Gage<br><br>PT - Pint<br><br>QS - Quart, Dry U.S.<br><br>ZZ - Mutually Defined<br><br>*Use 'ZZ' to denote Radioactive or MILS data (volume), as applicable.* | M | ID | 2/2 | 2 | 170 | O | 1 | 100 | 2 | LH1 | LH106 | 355 | O | ID | 2/2 |
| 124-07 | 6016 | HAZMAT Volume<br>When qualifier in LH106 = 'ZZ', enter value zero (0) to denote that either Radioactive Activity Level is present or additional NTE segment contains MILS HAZMAT weight or volume information.<br><br>CHANGE NOTE: User note modified per DM 838.<br><br>ELEMENT CONDITION: Use when qualifier in LH106 refers to volume. Enter HAZMAT total quantity volume value in accordance with the unit of measure noted in LH106 (e.g., cubic feet, gallon).<br><br>[T_9 54/79] | C | R | 1/5 | 2 | 170 | O | 1 | 100 | 2 | LH1 | LH107 | 380 | O | R | 1/15 |

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| 124-10 | 6016 | HAZMAT Packing Group<br>CHANGE NOTE: Requirement attributed changed to 'C' and user note replaced per DM 808.<br><br>ELEMENT CONDITION: As applicable, enter value 'I', 'II', or 'III' to denote PGI, PGII, or PGIII, when Packing Group is assigned.<br><br>SOURCE: The Canadian Gazette, Part II available from Canadian Government Publishing Centre Supply and Services Canada<br><br>[T_9 54/79] | C | ID | 1/3 | 2 | 170 | O | 1 | 100 | 2 | LH1 | LH110 | 254 | O | ID | 1/3 |
| 125 | 6016 | **LH2 SEGMENT - HAZMAT Additional Information**<br>SEGMENT CONDITION: Use for HAZMAT additional information as appropriate. Repeat the LH2<br>segment up to four times to document the UN Class or Division Number for subsidiary hazards. | C | | | 2 | 180 | O | 4 | 100 | 2 | LH1 | See X12 Standards for explanation of syntax notes. P0607P0809P1011 | | | | |
| 125-01 | 6016 | HAZMAT UN Class or Division Number<br>ELEMENT CONDITION: As appropriate, enter the one- or two-digit hazard class or division number in accordance with 49 CFR or International Maritime Dangerous Goods Code (IMDGC). If two characters, the second position is a decimal value (e.g., 12 implies 1.2).<br><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 71/72] | C | ID | 1/2 | 2 | 180 | O | 4 | 100 | 2 | LH1 | LH201 | 215 | O | ID | 1/30 |
| 125-05 | 6016 | HAZMAT Reportable Quantity Indicator<br>ELEMENT CONDITION: As appropriate, use to indicate that the hazardous material quantity meets or exceeds the quantity limit listed in 49 CFR.<br><br>[T_9 54/79]<br><br>RQ - Reportable Quantity | C | ID | 2/2 | 2 | 180 | O | 4 | 100 | 2 | LH1 | LH205 | 759 | O | ID | 2/2 |
| 125-06 | 6016 | HAZMAT Flash Point Qualifier<br>ELEMENT CONDITION: Required if HAZMAT Flash Point applies.<br><br>CE - Centigrade, Celsius<br><br>FA - Fahrenheit | C | ID | 2/2 | 2 | 180 | O | 4 | 100 | 2 | LH1 | LH206 | 355 | C | ID | 2/2 |
| 125-07 | 6016 | HAZMAT Flash Point<br>The flash point for flammable liquids, in degrees Centigrade (C) or Fahrenheit (F). (For example, '800F' might indicate a closed cup flashpoint of 800 degrees Fahrenheit.)<br><br>[T_9 54/79] | C | R | 1/4 | 2 | 180 | O | 4 | 100 | 2 | LH1 | LH207 | 408 | C | R | 1/4 |
| 126 | 6016 | **LH3 SEGMENT - HAZMAT Proper Shipping Name**<br>SEGMENT CONDITION: Segment is required for all HAZMAT shipping. If HAZMAT Proper Shipping Name is greater than 25 characters, use additional LH3 segments as required. | C | | | 2 | 190 | O | 12 | 100 | 2 | LH1 | See X12 Standards for explanation of syntax notes. P0102 | | | | |

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| 126-01 | 6016 | HAZMAT Proper Shipping Name<br>Enter proper shipping name. See LFH02 segment (HL loop position 191) to enter the technical name when required by regulation.<br><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_9 54/79] | M | AN | 1/25 | 2 | 190 | O | 12 | 100 | 2 | LH1 | LH301 | 224 | C | AN | 1/25 |
| 126-02 | 6016 | 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 |
| 127 | 6016 | **LFH SEGMENT - HAZMAT Type Pack Code**<br>SEGMENT CONDITION: Use when LH102 - HAZMAT Type Pack Quantity present.<br><br>CHANGE NOTE: Segment added (and FACTS guidance applied) per DM 863. | C | | | 2 | 191 | O | 20 | 100 | 2 | LH1 | See X12 Standards for explanation of syntax notes. P0506 | | | | |
| 127-01 | 6016 | HAZMAT Shipment Identifier<br>HZC - Hazardous Substance Constituents<br><br>*Use 'HZC' to denote HAZMAT Type Pack Code segment.* | M | ID | 3/3 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH01 | 808 | M | ID | 3/3 |
| 127-02 | 6016 | HAZMAT Type Pack Code<br>Enter the appropriate ANSI X12 code from TMDS (https://www-tmds.c2.amc.af.mil/TMDS/DTRdata.xsql?result=&view=V_TYPE_PACK&skip=0&max=10)<br>. | M | AN | 3/3 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH02 | 809 | M | AN | 1/25 |
| 127-03 | 6016 | HAZMAT Type Pack Description<br>ELEMENT CONDITION: Enter corresponding HAZMAT Type Pack Code description, if applicable.<br><br>[T_9 54/79] | C | AN | 1/25 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH03 | 809 | O | AN | 1/25 |
| 128 | 6016 | **LFH SEGMENT - HAZMAT Remarks (Radioactive)**<br>SEGMENT CONDITION: Use for Radioactive HAZMAT shipments.<br><br>CHANGE NOTE: Segment added per DM 803. | C | | | 2 | 191 | O | 20 | 100 | 2 | LH1 | See X12 Standards for explanation of syntax notes. P0506 | | | | |
| 128-01 | 6016 | Additional Basic Description Information Qualifier<br>Use code value 'RAM' when additional information must appear for Radioactive Material according to 49 CFR.<br><br>RAM - Radioactive Material Data | M | ID | 3/3 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH01 | 808 | M | ID | 3/3 |

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| 128-02 | 6016 | Additional Basic Description Information (Radioactive)<br>Enter the appropriate text in quotes as specified by 49 CFR 172.203(d). | M | AN | 1/25 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH02 | 809 | M | AN | 1/25 |
| 128-05 | 6016 | Radioactive Unit of Measure Code<br>08 - Heat Lots<br>*Use '08' to denote Nanocurie.*<br>09 - Tire<br>*Use '09' to denote Terabecquerels.*<br>2Q - Kilobecquerel<br>2R - Kilocurie<br>4D - Curie<br>4N - Megabecquerel<br>G4 - Gigabecquerel<br>M5 - Microcurie<br>MU - Millicurie<br>R2 - Becquerel | M | ID | 2/2 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH05 | 355 | C | ID | 2/2 |
| 128-06 | 6016 | Radioactive Activity Level<br>Enter Radioactive Activity Level. | M | R | 1/15 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH06 | 380 | C | R | 1/15 |
| 128-07 | 6016 | Transport Index of Radioactive Material<br>ELEMENT CONDITION: Enter Transport Index if required. | C | R | 1/15 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH07 | 380 | O | R | 1/15 |
| 129 | 6016 | **LFH SEGMENT - HAZMAT Technical Name**<br>SEGMENT CONDITION: Required when Proper Shipping Name (PSN) contains a technical name in<br>parentheses immediately following the PSN. If HAZMAT Technical Name is greater than 25 characters, use additional LFH segments as required. | C | | | 2 | 191 | O | 20 | 100 | 2 | LH1 | See X12 Standards for explanation of syntax notes. P0506 | | | | |
| 129-01 | 6016 | HAZMAT Technical Name Qualifier<br>TEC - Technical or Chemical Group Name | M | ID | 3/3 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH01 | 808 | M | ID | 3/3 |
| 129-02 | 6016 | HAZMAT Technical Name<br>Enter the technical name of the HAZMAT material.<br>[T_9 54/79] | M | AN | 1/25 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH02 | 809 | M | AN | 1/25 |

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| 130 | 6016 | **LFH SEGMENT - HAZMAT Waste Indicator** | C | | | 2 | 191 | O | 20 | 100 | 2 | LH1 | | | | | |
| | | SEGMENT CONDITION: Required if the hazardous material is defined as waste. | | | | See X12 Standards for explanation of syntax notes. P0506 | | | | | | | | | | | |
| 130-01 | 6016 | HAZMAT Waste Indicator Qualifier<br>WST - Waste Declaration | M | ID | 3/3 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH01 | 808 | M | ID | 3/3 |
| 130-02 | 6016 | HAZMAT Waste Indicator<br>Enter the word 'WASTE' if the hazardous material is defined as waste.<br>[T_9 54/79] | M | AN | 5/5 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH02 | 809 | M | AN | 1/25 |
| 131 | 6016 | **LFH SEGMENT - HAZMAT Limited Quantity Indicator** | C | | | 2 | 191 | O | 20 | 100 | 2 | LH1 | | | | | |
| | | SEGMENT CONDITION: Required when the hazardous material is defined as limited. | | | | See X12 Standards for explanation of syntax notes. P0506 | | | | | | | | | | | |
| 131-01 | 6016 | HAZMAT Limited Quantity Indicator Qualifier<br>LQY - "Limited Quantity" Declaration | M | ID | 3/3 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH01 | 808 | M | ID | 3/3 |
| 131-02 | 6016 | HAZMAT Limited Quantity Indicator<br>Include the words 'Limited Quantity' or 'LTD QTY' when the material is defined as such.<br>[T_9 54/79] | M | AN | 1/25 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH02 | 809 | M | AN | 1/25 |
| 132 | 6016 | **LFH SEGMENT - HAZMAT Cargo Aircraft Only Indicator** | C | | | 2 | 191 | O | 20 | 100 | 2 | LH1 | | | | | |
| | | SEGMENT CONDITION: Required for HAZMAT cargo on military air transportation when the applicable passenger 'P' code is indicated in accordance with AFMAN 24-204(I)/TM 38-250/MCO P4030.19H/NAVSUP Pub 505/DLAI 4145.3, "Preparing Hazardous Materials for Military Air Shipments." | | | | See X12 Standards for explanation of syntax notes. P0506 | | | | | | | | | | | |
| 132-01 | 6016 | HAZMAT Cargo Aircraft Only Indicator Qualifier<br>CAO - Cargo Airlift Only | M | ID | 3/3 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH01 | 808 | M | ID | 3/3 |
| 132-02 | 6016 | HAZMAT Cargo Aircraft Only Indicator<br>Enter 'Cargo Aircraft Only'.<br>[T_9 54/79] | M | AN | 19/19 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH02 | 809 | M | AN | 1/25 |
| 133 | 6016 | **LFH SEGMENT - HAZMAT Toxic Inhalation Zone Code** | C | | | 2 | 191 | O | 20 | 100 | 2 | LH1 | | | | | |
| | | SEGMENT CONDITION: Required for toxic inhalation materials. | | | | See X12 Standards for explanation of syntax notes. P0506 | | | | | | | | | | | |
| 133-01 | 6016 | HAZMAT Toxic Inhalation Materials Indicator Qualifier<br>PIH - "Poison - Inhalation Hazard" Declaration | M | ID | 3/3 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH01 | 808 | M | ID | 3/3 |

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| 133-02 | 6016 | HAZMAT Toxic Inhalation Materials Indicator<br>Use the words 'Toxic Inhalation Hazard ' followed by 'Zone A', 'Zone B', 'Zone C', or 'Zone D' for gases or 'Zone A' or 'Zone B' for liquids depending on the zone selected in LFH04.<br>The word 'toxic' is not required if already included as part of the PSN.<br>[T_9 54/79] | M | AN | 24/24 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH02 | 809 | M | AN | 1/25 |
| 133-04 | 6016 | HAZMAT Toxic Inhalation Zone Code<br>Indicate the appropriate hazard zone to affix to entry in LFH02.<br>A - Hazard Zone A<br>B - Hazard Zone B<br>C - Hazard Zone C<br>D - Hazard Zone D | M | ID | 1/1 | 2 | 191 | O | 20 | 100 | 2 | LH1 | LFH04 | 1023 | O | ID | 1/1 |
| 134 | 6001 | **LHR SEGMENT - HAZMAT DoDIC/IMO Designation**<br>SEGMENT CONDITION: Required for all hazardous materials. | C | | | 2 | 210 | O | 10 | 100 | 2 | LH1 | | | | | |
| 134-01 | 6001 | HAZMAT DoDIC/IMO Designation Qualifier<br>1I - Department of Defense Identification Code (DoDIC)<br>*Use '1I' to denote ammunition, ammunition components, and explosives.*<br>ZZ - Mutually Defined<br>*Use 'ZZ' to denote other HAZMAT.* | M | ID | 2/2 | 2 | 210 | O | 10 | 100 | 2 | LH1 | LHR01 | 128 | M | ID | 2/3 |
| 134-02 | 6001 | HAZMAT DoDIC/IMO Designation<br>For ammunition, ammunition components, and explosives, enter the Department of Defense Identification Code (DoDIC). For other HAZMAT, enter the letters 'IMO'.<br>[T_6 67/70] | M | AN | 3/4 | 2 | 210 | O | 10 | 100 | 2 | LH1 | LHR02 | 127 | M | AN | 1/30 |
| 135 | 6001 | **LHR SEGMENT - HAZMAT Compatibility Group Code**<br>SEGMENT CONDITION: Required for ammunition and explosives. | C | | | 2 | 210 | O | 10 | 100 | 2 | LH1 | | | | | |
| 135-01 | 6001 | HAZMAT Compatibility Group Code Qualifier<br>6P - Group Number | M | ID | 2/2 | 2 | 210 | O | 10 | 100 | 2 | LH1 | LHR01 | 128 | M | ID | 2/3 |
| 135-02 | 6001 | HAZMAT Compatibility Group Code<br>[T_6 80/80] | M | AN | 1/1 | 2 | 210 | O | 10 | 100 | 2 | LH1 | LHR02 | 127 | M | AN | 1/30 |

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| 136 | 6016 | **LHR SEGMENT - HAZMAT Special Approval Number**<br>SEGMENT CONDITION: A Special Approval (DOT Special Permit, CAA, COE, or DoD packaging<br>waiver) number must be entered if applicable. | C | | | 2 | 210 | O | 10 | 100 | 2 | LH1 | | | | | |
| 136-01 | 6016 | HAZMAT Special Approval Number Qualifier<br>HN - Hazardous Certification Number<br>*Use 'HN' to denote Special Approval Number.* | M | ID | 2/2 | 2 | 210 | O | 10 | 100 | 2 | LH1 | LHR01 | 128 | M | ID | 2/3 |
| 136-02 | 6016 | HAZMAT Special Approval Number<br>Enter special approval (DOT Special Permit, CAA, COE, or DoD packaging waiver) number.<br>[T_9 54/79] | M | AN | 1/26 | 2 | 210 | O | 10 | 100 | 2 | LH1 | LHR02 | 127 | M | AN | 1/30 |
| 137 | 7001 | **HL SEGMENT - NEW, Ammunition, Explosives, or Lot Information (T_7)**<br>LOOP CONDITION: This HL loop is required when describing entries for NEW, ammunition, explosives, or lot information. If the shipment unit contains more than one lot, make a separate loop for each lot. | C | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| 137-01 | 7001 | Hierarchical (Segment) ID Number<br>Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.) | M | AN | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| 137-02 | 7001 | Hierarchical Parent ID Number<br>Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001 parent HL loop here. | M | AN | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL02 | 734 | O | AN | 1/12 |
| 137-03 | 7001 | Hierarchical Level Code<br>Use code value '7' to indicate that the HL loop contains information from DTR T_7 records corresponding to DG 7001.<br>7 - Type | M | ID | 1/1 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| 138 | 7001 | **L0 SEGMENT - Lot Number Information**<br>Each L0 segment reflects the round count, weight, and cube of the lot or shipment unit being described. If a shipment unit contains multiple lots, create additional HL loops with associated information for each lot. | M | | | 2 | 145 | O | 1 | 20 | 2 | L0 | See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315 | | | | |
| 138-04 | 7001 | Weight per Lot Number<br>Enter the total shipping weight (L011) of the MIL-STD-129 defined unit packs for the Lot Number or for that part of the shipment unit that does not have a Lot Number.<br>[T_7 72/76] | C | R | 1/10 | 2 | 145 | O | 1 | 20 | 2 | L0 | L004 | 81 | C | R | 1/10 |

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| 138-05 | 7001 | Weight Qualifier<br>ELEMENT CONDITION: Required if L004 is used.<br><br>G - Gross Weight | C | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L005 | 187 | C | ID | 1/2 |
| 138-06 | 7001 | Cube per Lot Number<br>Enter the total cube (L007) of the MIL-STD-129 defined unit packs for the Lot Number or for that part of the shipment unit that does not have a Lot Number. All cube entries should be rounded to whole numbers.<br>CHANGE NOTE: Reference to whole numbers added per DM 810.<br><br>[T_7 77/80] | C | R | 1/8 | 2 | 145 | O | 1 | 20 | 2 | L0 | L006 | 183 | C | R | 1/8 |
| 138-07 | 7001 | Cube per Lot Number Qualifier<br>ELEMENT CONDITION: Required if L006 is used.<br><br>E - Cubic Feet | C | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L007 | 184 | C | ID | 1/1 |
| 138-08 | 7001 | Round Count per Lot Number<br>Enter the number of munitions pieces (Round Count) for the Lot Number or for that part of the shipment unit that does not have a Lot Number.<br><br>[T_7 68/71] | C | N0 | 1/7 | 2 | 145 | O | 1 | 20 | 2 | L0 | L008 | 80 | C | N0 | 1/7 |
| 138-09 | 7001 | Round Count per Lot Number Qualifier<br>ELEMENT CONDITION: Required if L008 is used.<br><br>AMM - Ammo Pack<br><br>*Use 'AMM' to denote Round Count.* | C | ID | 3/3 | 2 | 145 | O | 1 | 20 | 2 | L0 | L009 | 211 | C | ID | 3/3 |
| 138-10 | 7001 | Lot Number<br>Enter the Lot Number or, if no Lot Number is available, enter 'NO LOT NUMBER'.<br><br>[T_7 54/67] | M | AN | 2/25 | 2 | 145 | O | 1 | 20 | 2 | L0 | L010 | 458 | O | AN | 2/25 |
| 138-11 | 7001 | Weight Unit Qualifier<br>L - Pounds | C | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L011 | 188 | O | ID | 1/1 |
| 139 | 7001 | **MEA SEGMENT - NEW**<br>SEGMENT CONDITION: Use this segment for Class/Division 1.1, 1.2, 1.3, 1.4 munitions to show the NEW for each Lot Number identified in L010 or for that part of the shipment unit that does not have a Lot Number. Use segment only once per Lot Number or shipment unit. If L010 is 'NO LOT NUMBER', enter NEW for shipment unit. | C | | | 2 | 160 | O | 10 | 20 | 2 | L0 | See X12 Standards for explanation of syntax notes. R03050608C0504C0604L07030506E0803 | | | | |

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| 139-01 | 7001 | NEW Qualifier<br>NX - Net Explosive Weight | M | ID | 2/2 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA01 | 737 | O | ID | 2/2 |
| 139-03 | 7001 | NEW<br>Enter NEW in pounds.<br><br>[T_7 9/14] | M | R | 1/10 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA03 | 739 | C | R | 1/20 |
| 140 | 8001 | **HL SEGMENT - Personal Property (T_8)**<br>LOOP CONDITION: This HL loop is required when describing entries for household goods, baggage, or POV. | C | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| 140-01 | 8001 | Hierarchical (Segment) ID Number<br>Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.) | M | AN | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| 140-02 | 8001 | Hierarchical Parent ID Number<br>Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001 parent HL loop here. | M | AN | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL02 | 734 | O | AN | 1/12 |
| 140-03 | 8001 | Hierarchical Level Code<br>Use code value '8' to indicate that the HL loop contains information from DTR T_8 records corresponding to DG 8001, along with related trailer data corresponding to DG 8013 and DG 8017.<br><br>8 - Charge Detail | M | ID | 1/1 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| 141 | 8001 | **N9 SEGMENT - Type of Personal Property Shipment Code**<br>SEGMENT CONDITION: Use when describing personal property. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | | | | | | | | |
| 141-01 | 8001 | Type of Personal Property Shipment Code Qualifier<br>HHT - Type of Household Goods Code | M | ID | 3/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |

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| 141-02 | 8001 | Type of Personal Property Shipment Code<br>SOURCE: Table Management Distribution System (TMDS)<br>[T_8 71/71]<br>A - ITGBL HHGS AUTHORIZED SIT<br>B - UNACCOMPANIED BAGGAGE (DIRECT PROCUREMENT METHOD)<br>C - ITGBL UB AUTHORIZED SIT<br>D - DPM SHIPMENT AUTHORIZED SIT<br>H - HOUSEHOLD GOODS (DIRECT PROCUREMENT METHOD)<br>I - DPM HHGS TRANSITING PORT ONLY<br>J - UNACCOMPANIED BAGGAGE (THRU GOVERNMENT BILL OF LADING)<br>K - HOUSEHOLD GOODS (TGBL)<br>N - DPM (HHG/UB) FOR NONTEMPORARY STORAGE<br>P - POV<br>Q - TGBL (HHG/UB)TRANSITING PORT ONLY | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 142 | 8001 | **N9 SEGMENT - Household Goods and Baggage Carrier SCAC**<br>SEGMENT CONDITION: Required if ITGBL code is 'T', 'J', or '5'. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 142-01 | 8001 | Household Goods and Baggage Carrier SCAC Qualifier<br>SCA - Standard Carrier Alpha Code (SCAC) | M | ID | 3/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 142-02 | 8001 | Household Goods and Baggage Carrier SCAC<br>Enter HHG and Baggage Carrier SCAC.<br>[T_8 77/80] | M | AN | 2/4 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 143 | 8001 | **N9 SEGMENT - POV License Plate Number**<br>SEGMENT CONDITION: Use when describing POVs. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 143-01 | 8001 | POV License Plate Number Qualifier<br>LV - License Plate Number | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 143-02 | 8001 | POV License Plate Number<br>Enter full plate letters/numbers of license plate.<br>[T_8 73/77] | M | AN | 1/15 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |

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| 143-03 | 8001 | POV License Plate - U.S. State Abbreviation<br>Enter abbreviation for state issuing vehicle license plate. If none, enter NO.<br>[T_8 71/72] | M | AN | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N903 | 369 | C | AN | 1/45 |
| 144 | 8001 | **L5 SEGMENT - POV Make and Color**<br>SEGMENT CONDITION: Required when describing Privately-Owned Vehicle (POV). | C | | | 2 | 130 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. P0304C0706P0809 | | | | |
| 144-02 | 8001 | POV Make<br>Enter the first 25 letters of the POV make.<br>[T_8 11/14]<br>Sample Values: CHEVROLET, FORD, PLYMOUTH | M | AN | 1/25 | 2 | 130 | O | 10 | >1 | 1 | HL | L502 | 79 | O | AN | 1/50 |
| 144-06 | 8001 | POV Color<br>Enter predominate POV color.<br>[T_8 78/80]<br>Sample Values: black, blue, red | C | AN | 3/20 | 2 | 130 | O | 10 | >1 | 1 | HL | L506 | 87 | C | AN | 1/48 |
| 145 | 8001 | **NTE SEGMENT - POV Year**<br>SEGMENT CONDITION: Required when describing POV. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 145-01 | 8001 | POV Year Qualifier<br>CHANGE NOTE: Change code definition per DM 847.<br>CAR - Other Related Information<br>*Use 'CAR' to denote Vehicle Year.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 145-02 | 8001 | POV Year<br>Enter POV year.<br>[T_8 9/14] | M | AN | 4/4 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 146 | 8013 | **NTE SEGMENT - Personal Property GBL (PPGBL)**<br>SEGMENT CONDITION: Use for property shipped under a Personal Property GBL (PPGBL). | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 146-01 | 8013 | PPGBL Qualifier<br>BOL - Bill of Lading Note<br>*Use 'BOL' to denote PPGBL.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |

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| 146-02 | 8013 | PPGBL Number<br>Enter origin PPGBL number.<br>[T_9 54/79] | M | AN | 1/26 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 147 | 8013 | **NTE SEGMENT- PPGBL Origin Carrier Name**<br>SEGMENT CONDITION: Use for property shipped under a PPGBL. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 147-01 | 8013 | PPGBL Origin Carrier Name Qualifier<br>AAA - Agent Details<br>*Use 'AAA' to denote PPGBL Origin Carrier Name.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 147-02 | 8013 | PPGBL Origin Carrier Name<br>Enter name of origin carrier.<br>[T_9 54/79] | M | AN | 1/80 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 148 | 8017 | **NTE SEGMENT - USAF TDY Travel Order Number and ADSN/Fiscal Station Number**<br>SEGMENT CONDITION: Required for unaccompanied baggage of TDY USAF personnel, military<br>and civilian, to list the travel order number and the Accounting Disbursing Station Number (ADSN)/fiscal station number from the DD Form 1610, "Request and Authorization TDY Travel of DoD Personnel."<br><br>Use additional NTE segments, as required, to list the organization and address that issued the orders, including sufficient data to allow Air Mobility Command (AMC) billing. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 148-01 | 8017 | Travel Order Number and ADSN/Fiscal Station Number Qualifier<br>ORI - Order Instructions<br>*Use 'ORI' to denote Travel Order Number and ADSN/Fiscal Station Number.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 148-02 | 8017 | Travel Order Number and ADSN/Fiscal Station Number<br>Enter the travel order number and the ADSN/fiscal station number from the DD Form 1610, "Request and Authorization for TDY Travel of DoD Personnel."<br>[T_9 54/79] | M | AN | 1/80 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 149 | 8001 | **L0 SEGMENT - DPM Shipment Net Weight**<br>SEGMENT CONDITION: Use for DPM shipments from activities OCONUS (outside CONUS) to CONUS. | C | | | 2 | 145 | O | 1 | 20 | 2 | L0 | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315 | | | | | | | | | | | |

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| 149-04 | 8001 | DPM Shipment Net Weight<br>Activities outside CONUS (OCONUS) enter net weight of DPM shipments to CONUS.<br>[T_8 72/76] | M | R | 1/10 | 2 | 145 | O | 1 | 20 | 2 | L0 | L004 | 81 | C | R | 1/10 |
| 149-05 | 8001 | DPM 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 |
| 150 | 8001 | **NM1 SEGMENT - Personal Property Owner** | M | | | 2 | 260 | O | 1 | 4 | 2 | NM1 | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0809C1110 | | | | | | | | | | | |
| 150-01 | 8001 | Personal Property Owner Identifier Code<br>OW - Owner of Property or Unit | M | ID | 2/2 | 2 | 260 | O | 1 | 4 | 2 | NM1 | NM101 | 98 | M | ID | 2/3 |
| 150-02 | 8001 | Personal Property Owner Qualifier<br>1 - Person | M | ID | 1/1 | 2 | 260 | O | 1 | 4 | 2 | NM1 | NM102 | 1065 | M | ID | 1/1 |
| 150-03 | 8001 | Personal Property Owner's Last Name<br>[T_8 54/66] | M | AN | 1/35 | 2 | 260 | O | 1 | 4 | 2 | NM1 | NM103 | 1035 | O | AN | 1/35 |
| 150-04 | 8001 | Personal Property Owner's First Name<br>If available use full first name, otherwise use initial.<br>[T_8 67/67] | M | AN | 1/25 | 2 | 260 | O | 1 | 4 | 2 | NM1 | NM104 | 1036 | O | AN | 1/25 |
| 150-05 | 8001 | Personal Property Owner's Middle Name/Initial<br>Enter middle name or initial.<br>[T_8 68/68] | C | AN | 1/25 | 2 | 260 | O | 1 | 4 | 2 | NM1 | NM105 | 1037 | O | AN | 1/25 |
| 150-08 | 8001 | Grade Code Qualifier<br>ZZ - Mutually Defined<br>*Use 'ZZ' to denote Grade Code Information.* | M | ID | 2/2 | 2 | 260 | O | 1 | 4 | 2 | NM1 | NM108 | 66 | C | ID | 1/2 |
| 150-09 | 8001 | Military/Civilian Grade Code<br>Insert the applicable pay grade code.<br>SOURCE: DTR Part II, Appendix FF<br>[T_8 69/70] | M | AN | 2/2 | 2 | 260 | O | 1 | 4 | 2 | NM1 | NM109 | 67 | C | AN | 2/80 |

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| 151 | 8017 | **N3 SEGMENT - Additional Consignee Address**<br>SEGMENT CONDITION: Use this segment/loop to describe up to four additional consignee address lines for property consigned to a civil address. | C | | | 2 | 270 | O | 2 | 4 | 2 | NM1 | | | | | |
| 151-01 | 8017 | Additional Consignee Address<br>Enter Clear Text address information for consignee.<br><br>[T_9 54/79] | M | AN | 1/35 | 2 | 270 | O | 2 | 4 | 2 | NM1 | N301 | 166 | M | AN | 1/55 |
| 151-02 | 8017 | Additional Consignee Address<br>Enter additional Clear Text address information for consignee.<br><br>[T_9 54/79] | C | AN | 1/35 | 2 | 270 | O | 2 | 4 | 2 | NM1 | N302 | 166 | O | AN | 1/55 |
| 152 | 9013 | **HL SEGMENT - General Miscellaneous Information (T_9)**<br>LOOP CONDITION: This HL loop is required when describing general miscellaneous information not otherwise detailed. | C | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| 152-01 | 9013 | Hierarchical (Segment) ID Number<br>Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.) | M | AN | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| 152-02 | 9013 | Hierarchical Parent ID Number<br>Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001, DG 2001, or DG 3001 parent HL loop here. | M | AN | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL02 | 734 | O | AN | 1/12 |
| 152-03 | 9013 | Hierarchical Level Code<br>Use code value '9' to indicate that the HL loop contains information from DTR T_9 records (trailer data) corresponding to DG 9013.<br><br>9 - Line Detail | M | ID | 1/1 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| 153 | 9013 | **REF SEGMENT - Classified Shipment Container Number**<br>SEGMENT CONDITION: Use for Classified Shipment Container Number. Repeat segment for each<br>different container number. | C | | | 2 | 060 | O | 5 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203 | | | | |
| 153-01 | 9013 | Classified Shipment Container Number Qualifier<br>98 - Container/Packaging Specification Number<br><br>*Use '98' to denote Classified Container Number.* | M | ID | 2/3 | 2 | 060 | O | 5 | >1 | 1 | HL | REF01 | 128 | M | ID | 2/3 |

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| 153-02 | 9013 | Classified Shipment Container Number<br>Enter container number. For ISO containers (e.g., SEAVANs) enter all 11 characters of the container ID number (owner code, serial number, check digit).<br>[T_9 54/79] | M | AN | 1/30 | 2 | 060 | O | 5 | >1 | 1 | HL | REF02 | 127 | C | AN | 1/30 |
| 154 | 9013 | **N9 SEGMENT - Controlled Inventory Item Code (CIIC)**<br>SEGMENT CONDITION: Required for all DoD managed inventory items that have a CIIC assigned.<br>CHANGE NOTE: Segment added per DM 842. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 154-01 | 9013 | Controlled Inventory Item Code Qualifier<br>8R - Security Type<br>*Use '8R' to denote Controlled Inventory Item Code.* | M | ID | 2/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 154-02 | 9013 | Controlled Inventory Item Code<br>Enter CIIC from the authoritative code source.<br>SOURCE: DoD 4100.39R (FLIS Manual) Volume 10, Table 61 | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 155 | 9013 | **N9 SEGMENT - Classified Shipment Seal Number**<br>SEGMENT CONDITION: Use for Classified Shipment Container Seal Number. Repeat segment for<br>each different seal number. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 155-01 | 9013 | Classified Shipment Seal Number Qualifier<br>SN - Seal Number<br>*Use 'SN' to denote Classified Shipment Seal Number.* | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 155-02 | 9013 | Classified Shipment Seal Number<br>Enter seal number.<br>[T_9 54/79] | M | AN | 1/30 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 156 | 9013 | **N9 SEGMENT - Serial Shipping Container Code (SSCC)**<br>SEGMENT CONDITION: Use when shipment is marked with a Serial Shipping Container Code (SSCC). | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 156-01 | 9013 | SSCC Qualifier<br>LA - Shipping Label Serial Number<br>*Use 'LA' to denote SSCC.* | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |

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| 156-02 | 9013 | SSCC<br>Enter SSCC (numeric value).<br>[T_9 54/79] | M | AN | 18/18 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 157 | 9013 | **NTE SEGMENT - General Miscellaneous and Pertinent Information**<br>SEGMENT CONDITION: Use this segment for pertinent information, including clear text data and in-the-clear consignee address information, necessary for shipment but not detailed in other data entries. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 157-01 | 9013 | General Miscellaneous and Pertinent Information Qualifier<br>ADD - Additional Information | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 157-02 | 9013 | General Miscellaneous and Pertinent Information<br>Enter clear text miscellaneous data here.<br>[T_9 54/79] | M | AN | 1/80 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 158 | 9013 | **NTE SEGMENT - Unit Deployment Information (ULN)**<br>SEGMENT CONDITION: Required for unit move cargo to identify unit line number (ULN) deployment information for unit move TCNs. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 158-01 | 9013 | ULN Qualifier<br>OTN - Another Type of Number Description<br>*Use 'OTN' to denote Unit Line Number for a TPFDD Move.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 158-02 | 9013 | ULN<br>Enter the unit line number.<br>[T_9 58/64] | M | AN | 5/7 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 159 | 9013 | **NTE SEGMENT - Transportation Tracking Account Number (TTAN)**<br>SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.<br>CHANGE NOTE: Segment added per DM 887. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 159-01 | 9013 | 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 |

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| 159-02 | 9013 | Transportation Tracking Account Number (TTAN) | M | AN | 13/13 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 160 | 9013 | **NTE SEGMENT - Not Otherwise Specified (NOS) Type Cargo**<br>SEGMENT CONDITION: Required when Not Otherwise Specified (NOS) cargo description applies. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 160-01 | 9013 | NOS Qualifier<br>ZZZ - Mutually Defined<br>*Use 'ZZZ' to denote NOS Type Cargo Information.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 160-02 | 9013 | Description of NOS Type Cargo Code<br>[T_9 54/79] | M | AN | 1/80 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 161 | 9013 | **NTE SEGMENT - Liquor Type**<br>SEGMENT CONDITION: Use when type of liquor entry applies. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 161-01 | 9013 | Liquor Type Qualifier<br>LIQ - Liquor Information<br>*Use 'LIQ' to denote Type of Liquor.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 161-02 | 9013 | Liquor Information<br>Enter type of Liquor.<br>[T_9 54/79]<br>Sample Values: gin, rye | M | AN | 1/80 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 162 | 9013 | **NTE SEGMENT - Liquor Bottle Size**<br>SEGMENT CONDITION: Use when Liquor Bottle Size entry applies. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 162-01 | 9013 | Liquor Bottle Size Qualifier<br>CAI - General Business Description<br>*Use 'CAI' to denote Liquor Bottle Size.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 162-02 | 9013 | Liquor Bottle Size<br>Enter Liquor Bottle Size.<br>[T_9 54/79] | M | AN | 1/80 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 163 | 9013 | **NTE SEGMENT - Liquor Bottles per Case**<br>SEGMENT CONDITION: Use when Liquor Bottles per Case entry applies. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |

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| 163-01 | 9013 | Liquor Bottles per Case Qualifier<br>CAC - Relationship Information | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 163-02 | 9013 | Liquor Bottles per Case<br>Enter number of bottles per case.<br><br>[T_9 54/79] | M | AN | 1/2 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 164 | 9013 | **NTE SEGMENT - Cigarette Information**<br>SEGMENT CONDITION: Use for shipment of cigarettes. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 164-01 | 9013 | Cigarette Information Qualifier<br>CIG - Cigarette Information | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 164-02 | 9013 | Cigarette Information<br>Enter the number of cartons per case.<br><br>[T_9 54/79] | M | AN | 1/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 165 | 9013 | **NTE SEGMENT - CONUS to Hawaii/Guam Rating Information**<br>SEGMENT CONDITION: Use for shipments between CONUS and Hawaii or Guam to carry the clear<br>text National Motor Freight Classification or Standard Transportation Commodity Code description of the highest rated article in the shipment unit other than HAZMAT. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 165-01 | 9013 | CONUS to Hawaii/Guam Rating Information Qualifier<br>OCR - Outside the Continental U.S. (OCONUS) Rating Information<br><br>*Use 'OCR' to denote CONUS to Hawaii/Guam Rating Information.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 165-02 | 9013 | CONUS to Hawaii/Guam Rating Information<br>Enter the clear text National Motor Freight Classification or Standard Transportation Commodity Code description of the highest rated article in the shipment unit.<br><br>[T_9 54/79] | M | AN | 1/80 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 166 | 9013 | **NTE SEGMENT - Active RFID Tag Serial Number**<br>SEGMENT CONDITION: Use to indicate the serial number of the active RFID tag attached to the shipment unit. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 166-01 | 9013 | Active RFID Tag Serial Number Qualifier<br>CHANGE NOTE: Change code value from 'CAR' to 'RFL' per DM 847.<br><br>RFL - Reason for Leaving<br><br>*Use 'RFL' to denote Active RFID Tag Serial Number.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |

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| 166-02 | 9013 | Active RFID Tag Serial Number<br>Enter the active RFID tag serial number used for in transit visibility tracking of the tag.<br>CHANGE NOTE: Length attribute changed to 1/32 per DM 1001.<br>[T_9 54/79] | M | AN | 1/32 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 167 | 9013 | **NM1 SEGMENT - Clear Text Consignee Address Name**<br>SEGMENT CONDITION: This segment shows the first line of the address, which may be an organization's name or individual's name. | C | | | 2 | 260 | O | 1 | 4 | 2 | NM1 | See X12 Standards for explanation of syntax notes. P0809C1110 | | | | |
| 167-01 | 9013 | Clear Text Consignee Address Qualifier<br>CN - Consignee<br>*Use 'CN' to denote Clear Text Consignee Address.* | M | ID | 2/2 | 2 | 260 | O | 1 | 4 | 2 | NM1 | NM101 | 98 | M | ID | 2/3 |
| 167-02 | 9013 | Clear Text Consignee Address Name Qualifier<br>6 - Organization<br>*Use '6' to denote Clear Text Consignee Address Name.* | M | ID | 1/1 | 2 | 260 | O | 1 | 4 | 2 | NM1 | NM102 | 1065 | M | ID | 1/1 |
| 167-03 | 9013 | Clear Text Consignee Name<br>Enter first line of the Clear Text Consignee address. (i.e., organization's name or individual's name). | M | AN | 1/35 | 2 | 260 | O | 1 | 4 | 2 | NM1 | NM103 | 1035 | O | AN | 1/35 |
| 168 | 9013 | **N3 SEGMENT - Clear Text Consignee Address**<br>SEGMENT CONDITION: Required when no consignee DoDAAC is available in N104 (Consignee<br>DoDAAC) data element.<br>Use the first iteration of this segment to show the second and third lines of the address. Use the second iteration of this segment to show the fourth and fifth lines of the address. | C | | | 2 | 270 | O | 2 | 4 | 2 | NM1 | | | | | |
| 168-01 | 9013 | Clear Text Consignee Address Information<br>Enter Clear Text Address Information for consignee.<br>[T_9 54/79] | M | AN | 1/35 | 2 | 270 | O | 2 | 4 | 2 | NM1 | N301 | 166 | M | AN | 1/55 |
| 168-02 | 9013 | Clear Text Consignee Address Information<br>Enter additional Clear Text Address Information for consignee.<br>[T_9 54/79] | C | AN | 1/35 | 2 | 270 | O | 2 | 4 | 2 | NM1 | N302 | 166 | O | AN | 1/55 |

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| 169 | 9014 | **HL SEGMENT - Seal Numbers and Applier of Replacement Seals**<br>LOOP CONDITION: Use this HL loop to identify original and replacement seal numbers and to identify the applier of replacement seals when passing header and trailer data associated with SEAVAN shipment units in data groups 1001/2001/3001 as applicable. Repeat this loop for each different applier of replacement seals. | C | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| 169-01 | 9014 | Hierarchical ID Number<br>Enter the next available HL loop sequential number to uniquely identify each occurrence of the HL loop. (The first HL loop in the transaction will have the value '1' in the HL01 data element. Increment that value by one for each subsequent new HL loop.) | M | AN | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| 169-02 | 9014 | Hierarchical Parent ID Number<br>Use this element to link this loop with its parent loop. Establish the link by copying the hierarchical ID number (HL01) of the DG 1001, DG 2001, or DG 3001 parent HL loop here. | M | AN | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL02 | 734 | O | AN | 1/12 |
| 169-03 | 9014 | Hierarchical Level Code<br>Use code value 'ZZ' to indicate that the HL loop identifies seal numbers and the applier of a replacement seal number (from DTR T_9 records) for a SEAVAN shipment unit corresponding to M7 segment of DG 9014<br><br>ZZ - Mutually Defined | M | ID | 2/2 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| 170 | 9014 | **M7 SEGMENT - SEAVAN Seal Number and Replacement Seal Number**<br>SEGMENT CONDITION: Use this segment for SEAVAN shipments. Repeat the HL loop and this segment for each seal number. To link the seal number with the applicable applier, only one M7 segment may be used per HL loop. | C | | | 2 | 040 | O | 5 | >1 | 1 | HL | | | | | |
| 170-01 | 9014 | SEAVAN Seal Number and Replacement Seal Number<br>Enter seal number. Use for original seal. Also, use when original seal is removed and replaced with a new seal.<br><br>[T_9 66/73] | M | AN | 2/15 | 2 | 040 | O | 5 | >1 | 1 | HL | M701 | 225 | M | AN | 2/15 |
| 171 | 9014 | **N1 SEGMENT - Applier of Replacement Seals**<br>SEGMENT CONDITION: Use when replacement seals are applied. | C | | | 2 | 290 | O | 1 | 4 | 2 | N1 | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R0203P0304 | | | | | | | | | | | |
| 171-01 | 9014 | Applier of Replacement Seals Qualifier<br>SW - Sealing Company | M | ID | 2/2 | 2 | 290 | O | 1 | 4 | 2 | N1 | N101 | 98 | M | ID | 2/3 |
| 171-03 | 9014 | DoDAAC/SCAC/CAGE Qualifier<br>10 - Department of Defense Activity Address Code (DODAAC)<br><br>2 - Standard Carrier Alpha Code (SCAC)<br><br>33 - Commercial and Government Entity (CAGE) | M | ID | 1/2 | 2 | 290 | O | 1 | 4 | 2 | N1 | N103 | 66 | C | ID | 1/2 |

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| 171-04 | 9014 | Activity that Applied Seals<br>DoDAAC or CAGE code for Defense activities or enter ocean carrier SCAC code.<br><br>[T_9 74/79] | M | AN | 4/6 | 2 | 290 | O | 1 | 4 | 2 | N1 | N104 | 67 | C | AN | 2/80 |
| 172 | 9801 | **HL SEGMENT - 463L Capped Pallet Header Information**<br>LOOP CONDITION: Use this loop to document pallet header information for a capped 463L pallet.<br><br>Use this 463L pallet header HL Loop to identify a loaded and fully documented (capped) 463L pallet that will be delivered to an aerial port.<br><br>Capped 463L pallets that have not been documented as a manifested load (with a TAB record) will use the SEAVAN/RORO/463L Shipment Units HL loop (HL03=2) to identify the 463L pallet as a shipment unit (marked with an MSL) on the truck manifest. | C | | | 2 | 010 | M | 1 | >1 | 1 | HL | | | | | |
| 172-01 | 9801 | Hierarchical ID Number<br>Enter the next available HL loop sequential number to describe each pallet. | M | AN | 1/12 | 2 | 010 | M | 1 | >1 | 1 | HL | HL01 | 628 | M | AN | 1/12 |
| 172-03 | 9801 | Hierarchical Level Code<br>Use code value '24' to indicate hierarchical level representing pallet header information.<br><br>24 - Supergroup | M | ID | 2/2 | 2 | 010 | M | 1 | >1 | 1 | HL | HL03 | 735 | M | ID | 1/2 |
| 173 | 9801 | **N7 SEGMENT - Pallet Details** | M | | | 2 | 020 | O | 1 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0304P0516P0809 | | | | | | | | | | | |

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| 173-01 | 9801 | Module Type<br>SOURCE: Table Management Distribution System (TMDS) data values as indicated (DTR,Part II, Appendix DD)<br><br>[TAB 40/40]<br><br>A - Non-unitized, Rolling Stock<br><br>B - Pallet up to 76 inches<br><br>C - Containerized, skidded cargo<br><br>D - Pallet for 727/707/DC-9/L-100/DC-8 stretched model<br><br>E - Pallet up to 60 inches<br><br>F - Pallet for DC-10 (2L-12R), MD-11 (2-14)<br><br>G - Pallet with a propeller<br><br>H - C-130 Ramp pallet<br><br>I - ISU Pallet<br><br>J - Pallet for C130 (6" aisle way)<br><br>K - KC-135<br><br>L - Pallet for C-5, L-100, C-130, B-747 (upstairs), C-141, C-17<br><br>M - C-5 or C-17 only<br><br>N - KC-10 (PP 2-10 L + R)<br><br>P - KC-10 (position 1) | M | AN | 1/1 | 2 | 020 | O | 1 | >1 | 1 | HL | N701 | 206 | O | AN | 1/4 |
| 173-02 | 9801 | Pallet ID<br>Enter the pallet ID assigned by the loading activity.<br><br>In sequenced order:<br>[DTR TAB 21/23]<br>[DTR TAB 4/5]<br>[TAB 67/67] | M | AN | 5/6 | 2 | 020 | O | 1 | >1 | 1 | HL | N702 | 207 | M | AN | 1/10 |
| 173-14 | 9801 | Pallet Serial Number<br>Enter the serial number assigned by the pallet loading activity if other than an aerial port.<br><br>This is not the number stamped on Pallet Data Plate.<br><br>[TAB 41/43] | C | AN | 1/3 | 2 | 020 | O | 1 | >1 | 1 | HL | N714 | 219 | O | AN | 1/3 |
| 174 | 9801 | **REF SEGMENT - Air POE Identification**<br>SEGMENT CONDITION: Use this segment for water or air shipment of a capped pallet to a POE. | C | | | 2 | 060 | O | 5 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203 | | | | |

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| 174-01 | 9801 | POE Qualifier Code<br>55 - Sequence Number<br>*Use '55' to denote Port of Embarkation.* | M | ID | 2/2 | 2 | 060 | O | 5 | >1 | 1 | HL | REF01 | 128 | M | ID | 2/3 |
| 174-02 | 9801 | Air POE Identifier Qualifier<br>Enter value 'AIR' to denote Port Code type. | M | AN | 3/3 | 2 | 060 | O | 5 | >1 | 1 | HL | REF02 | 127 | C | AN | 1/30 |
| 174-03 | 9801 | Air POE Code<br>Use three-position port code.<br>[T_0 21/23],[T_1 21/23] | M | AN | 3/3 | 2 | 060 | O | 5 | >1 | 1 | HL | REF03 | 352 | C | AN | 1/80 |
| 175 | 9801 | **REF SEGMENT - Air POD Identification**<br>SEGMENT CONDITION: Use this segment for water or air shipment of a capped pallet to a POD. | C | | | 2 | 060 | O | 5 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R0203 | | | | | | | | | | | |
| 175-01 | 9801 | POD Qualifier Code<br>6W - Sequence Number<br>*Use '6W' to denote Port of Debarkation.* | M | ID | 2/2 | 2 | 060 | O | 5 | >1 | 1 | HL | REF01 | 128 | M | ID | 2/3 |
| 175-02 | 9801 | Air POD Identifier Qualifier<br>Enter value 'AIR' to denote Port Code type. | M | AN | 3/3 | 2 | 060 | O | 5 | >1 | 1 | HL | REF02 | 127 | C | AN | 1/30 |
| 175-03 | 9801 | Air POD Code<br>Use three-position port code.<br>[T_0 24/26],[T_1 24/26] | M | AN | 3/3 | 2 | 060 | O | 5 | >1 | 1 | HL | REF03 | 352 | C | AN | 1/80 |
| 176 | 9801 | **N9 SEGMENT - Pallet Configuration Code** | M | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | | | | | | | | |
| 176-01 | 9801 | Pallet Configuration Code Qualifier<br>WL - Federal Supply Classification Code<br>*Use 'WL' to denote Pallet Configuration Code.* | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |

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| 176-02 | 9801 | Pallet Configuration Code<br>SOURCE: Table Management Distribution System (TMDS)<br>[TAB 44/45]<br>BC - BELLY CARGO<br>LS - LOOSE CARGO<br>PC - PALLETIZED CARGO<br>RS - ROLLING STOCK<br>SD - CARGO ON SKID<br>T2 - PALLET TRAIN CONSISTING OF 2 PALLETS<br>T3 - PALLET TRAIN CONSISTING OF 3 PALLETS<br>T4 - PALLET TRAIN CONSISTING OF 4 PALLETS<br>T5 - PALLET TRAIN CONSISTING OF 5 PALLETS<br>T6 - PALLET TRAIN CONSISTING OF 6 PALLETS<br>T7 - PALLET TRAIN CONSISTING OF 7 PALLETS | M | AN | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 177 | 9801 | **N9 SEGMENT - Cargo Type Classification Code** | M | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | | | | | | | | |
| 177-01 | 9801 | Cargo Type Classification Code Qualifier<br>8X - Transaction Category or Type<br>*Use '8X' to denote Cargo Type Classification Code.* | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 177-03 | 9801 | Cargo Type Classification Code<br>SOURCE: Table Management Distribution System (TMDS)<br>[TAB 46/46]<br>G - General Cargo<br>M - Mixtures of G and S<br>S - Cargo Requiring Special Handling<br>U - Mail<br>Y - Signature Service | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N903 | 369 | C | AN | 1/45 |
| 178 | 9801 | **N9 SEGMENT - Personal Property Code**<br>SEGMENT CONDITION: Required for personal property shipments. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | | | | | | | | |

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| 178-01 | 9801 | Personal Property Code Qualifier<br>Q5 - Property Control Number<br>*Use 'Q5' to denote Personal Property Code.* | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 178-02 | 9801 | Personal Property Code<br>SOURCE: Table Management Distribution System (TMDS)<br>[TAB 65/65]<br>A - ITGBL HHGS AUTHORIZED SIT<br>B - UNACCOMPANIED BAGGAGE (DIRECT PROCUREMENT METHOD)<br>C - ITGBL UB AUTHORIZED SIT<br>D - DPM SHIPMENT AUTHORIZED SIT<br>H - HOUSEHOLD GOODS (DIRECT PROCUREMENT METHOD)<br>I - DPM HHGS TRANSITING PORT ONLY<br>J - UNACCOMPANIED BAGGAGE (THRU GOVERNMENT BILL OF LADING)<br>K - HOUSEHOLD GOODS (TGBL)<br>N - DPM (HHG/UB) FOR NONTEMPORARY STORAGE<br>P - POV<br>Q - TGBL (HHG/UB) TRANSITING PORT ONLY | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 179 | 9801 | **N9 SEGMENT - Chain or Devices Tie Down Code**<br>SEGMENT CONDITION: Use if chain or device is used for tie down. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 179-01 | 9801 | Chain or Devices Tie Down Code Qualifier<br>8R - Security Type<br>*Use '8R' to denote Chain or Devices Tie Down Code.* | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 179-02 | 9801 | Chain or Devices Tie Down Indicator<br>Enter value 'CHAIN' to denote Chain or Devices Tie Down. | M | AN | 5/5 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 179-07 | 9801 | COMPOSITE DE - Tie Down Code Header | M | CE | | 2 | 100 | O | 10 | >1 | 1 | HL | N907 | C040 | O | CE | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0304P0506 | | | | | | | | | | | |
| 179-07-01 | 9801 | Chain Tie Down Code<br>01 - American Bankers Assoc. (ABA) Transit/Routing Number (Including Check Digit, 9 Digits)<br>*Use '01' to denote 01 C-Chain.* | C | ID | 2/3 | 2 | 100 | O | 10 | >1 | 1 | HL | C04001 | 128 | M | ID | 2/3 |

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| 179-07-02 | 9801 | Chain Quantity<br>Enter quantity of chains.<br>ELEMENT CONDITION: Required if N907 code value of '01' is used. | C | ID | 1/2 | 2 | 100 | O | 10 | >1 | 1 | HL | C04002 | 127 | M | AN | 1/30 |
| 179-07-03 | 9801 | Devices Tie Down Code<br>02 - Society for Worldwide Interbank Financial Telecommunication (S.W.I.F.T.) Identification (8 or 11 Characters)<br>*Use '02' to denote D - Device.* | C | ID | 2/3 | 2 | 100 | O | 10 | >1 | 1 | HL | C04003 | 128 | C | ID | 2/3 |
| 179-07-04 | 9801 | Devices Quantity<br>Enter quantity of devices.<br>ELEMENT CONDITION: Required if N907 code value of '02' is used. | C | ID | 1/2 | 2 | 100 | O | 10 | >1 | 1 | HL | C04004 | 127 | C | AN | 1/30 |
| 180 | 9801 | **N9 SEGMENT - Top Net, Side Net, or Strap Tie Down Code**<br>SEGMENT CONDITION: Use if top net, side net, or strap is used for tie down. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 180-01 | 9801 | Top Net, Side Net, or Strap Tie Down Code Qualifier<br>Z3 - Safety Equipment Certificate<br>*Use 'Z3' to denote Top Net, Side Net, or Strap Tie Down Code.* | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 180-02 | 9801 | Top Net, Side Net, or Strap Tie Down Indicator<br>Enter value 'NET' to denote Top Net, Side Net, or Strap Tie Down. | M | AN | 3/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 180-07 | 9801 | COMPOSITE DE - Tie Down Code Header | M | CE | | 2 | 100 | O | 10 | >1 | 1 | HL | N907 | C040 | O | CE | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0304P0506 | | | | | | | | | | | |
| 180-07-01 | 9801 | Top Net Tie Down Code<br>03 - Clearing House Interbank Payment System (CHIPS) Participant Number (3 or 4 Digits)<br>*Use '03' to denote T - Top Net.* | C | ID | 2/3 | 2 | 100 | O | 10 | >1 | 1 | HL | C04001 | 128 | M | ID | 2/3 |
| 180-07-02 | 9801 | Top Net Quantity<br>Enter quantity of top nets.<br>ELEMENT CONDITION: Required if N907 code value of '03' is used. | C | ID | 1/2 | 2 | 100 | O | 10 | >1 | 1 | HL | C04002 | 127 | M | AN | 1/30 |
| 180-07-03 | 9801 | Side Net Tie Down Code<br>04 - Canadian Financial Institution Branch and Institution Number<br>*Use '04' to denote N - Side Net.* | C | ID | 2/3 | 2 | 100 | O | 10 | >1 | 1 | HL | C04003 | 128 | C | ID | 2/3 |

| 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 | | |
| 180-07-04 | 9801 | Side Net Quantity<br>Enter quantity of side nets.<br>ELEMENT CONDITION: Required if N907 code value of '04' is used. | C | ID | 1/2 | 2 | 100 | O | 10 | >1 | 1 | HL | C04004 | 127 | C | AN | 1/30 |
| 180-07-05 | 9801 | Strap Tie Down Code<br>05 - Clearing House Interbank Payment System (CHIPS) User Identification (6 digits)<br>*Use '05' to denote Strap.* | C | ID | 2/3 | 2 | 100 | O | 10 | >1 | 1 | HL | C04005 | 128 | C | ID | 2/3 |
| 180-07-06 | 9801 | Strap Quantity<br>Enter quantity of straps.<br>ELEMENT CONDITION: Required if N907 code value of '05' is used. | C | AN | 1/2 | 2 | 100 | O | 10 | >1 | 1 | HL | C04006 | 127 | C | AN | 1/30 |
| 181 | 9801 | **N9 SEGMENT - Center of Balance of Pallet Train**<br>SEGMENT CONDITION: Use if 463L pallet configuration is a pallet train. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 181-01 | 9801 | Center of Balance Qualifier<br>P5 - Position Code<br>*Use 'P5' to denote Center of Balance.* | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 181-02 | 9801 | Center of Balance of Pallet Train<br>Enter Center of Balance of Pallet Train in inches.<br>[TAB 58/60] | M | AN | 1/3 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 182 | 9801 | **N9 SEGMENT - Pallet Overhang Direction Code**<br>SEGMENT CONDITION: Required when cargo overhangs the physical edges of the 463L pallet. | C | | | 2 | 100 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | |
| 182-01 | 9801 | Pallet Overhang Direction Code Qualifier<br>GY - Empty Repositioning Number<br>*Use 'GY' to denote Pallet Overhang Direction Code.* | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 182-02 | 9801 | Pallet Overhang Direction Code<br>Enter one of the following values as appropriate:<br>[TAB 64/64]<br>A - Aft<br>B - Both<br>F - Front | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | 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 | | |
| 183 | 9801 | **N9 SEGMENT - Equivalent Pallet Positions** | M | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | | | | | | | | |
| 183-01 | 9801 | Equivalent Pallet Positions Qualifier<br>8Z - Alternate Clause Number<br>*Use '8Z' to denote Number of Equivalent Pallet Positions.* | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 183-02 | 9801 | Equivalent Pallet Positions<br>Enter the number of Equivalent Pallet Positions. Include an explicit decimal point. Use only one decimal place. Do not enter a leading space (' ').<br>[TAB 62/63] | M | AN | 3/4 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 184 | 9801 | **N9 SEGMENT - Air Special Handling Code** | M | | | 2 | 100 | O | 10 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. R0203C0605 | | | | | | | | | | | |
| 184-01 | 9801 | Air Special Handling Code Qualifier<br>D7 - Coverage Code<br>*Use 'D7' to denote Air Special Handling Code.* | M | ID | 2/2 | 2 | 100 | O | 10 | >1 | 1 | HL | N901 | 128 | M | ID | 2/3 |
| 184-02 | 9801 | Air Special Handling Code<br>Enter the Air Special Handling Code. If special handling is not required, enter value 'Z'.<br>SOURCE: DTR Part II, Appendix Z<br>[TAB 66/66] | M | AN | 1/1 | 2 | 100 | O | 10 | >1 | 1 | HL | N902 | 127 | C | AN | 1/30 |
| 185 | 9801 | **Y7 SEGMENT - Priority**<br>SEGMENT CONDITION: Required for other than a Unit Move pallet. By definition Unit Move pallet does not have a shipment priority. | C | | | 2 | 137 | O | 2 | >1 | 1 | HL | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0203 | | | | | | | | | | | |
| 185-02 | 9801 | Highest Transportation Priority<br>Enter highest priority on the pallet. | M | N0 | 1/1 | 2 | 137 | O | 2 | >1 | 1 | HL | Y702 | 470 | C | N0 | 1/1 |

| 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 | | |
| 185-03 | 9801 | Special Priority<br>CHANGE NOTE: Requirement attribute changed and user note modified per DM 821.<br>Enter the following Special Priority as applicable:<br>[TAB 54/54]<br>0 - No Special Priority<br>4 - 444<br>5 - 555<br>7 - 777<br>9 - 999<br>E - Anticipated NMCS<br>F - FSS - Forward Supply System<br>G - Green Sheet<br>N - NMCS<br>P - Purple Sheet | M | AN | 1/1 | 2 | 137 | O | 2 | >1 | 1 | HL | Y703 | 471 | C | AN | 1/1 |
| 186 | 9801 | **G62 SEGMENT - Pallet Departure Date/Time (UTC) from APOE**<br>SEGMENT CONDITION: Required when pallet departs from APOE. | C | | | 2 | 138 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0103P0102P0304 | | | | |
| 186-01 | 9801 | Pallet Departure Date Qualifier<br>BR - Date Delivery Commenced<br>*Use 'BR' to denote Pallet Departure Date. Name Description.* | M | ID | 2/2 | 2 | 138 | O | 10 | >1 | 1 | HL | G6201 | 432 | C | ID | 2/2 |
| 186-02 | 9801 | Pallet Departure Date (UTC) from APOE<br>Enter Pallet Departure Date (UTC) from APOE using CCYYMMDD format. | M | DT | 8/8 | 2 | 138 | O | 10 | >1 | 1 | HL | G6202 | 373 | C | DT | 8/8 |
| 186-03 | 9801 | Pallet Departure Time Qualifier<br>A - Actual Departure Time | M | ID | 1/1 | 2 | 138 | O | 10 | >1 | 1 | HL | G6203 | 176 | C | ID | 1/2 |
| 186-04 | 9801 | Pallet Departure Time (UTC) from APOE<br>Enter Pallet Departure Time (UTC) from APOE using HHMM format. | M | TM | 4/4 | 2 | 138 | O | 10 | >1 | 1 | HL | G6204 | 337 | C | TM | 4/8 |
| 187 | 9801 | **G62 SEGMENT - Estimated Date/Time (UTC) Arrival at APOE**<br>SEGMENT CONDITION: Use for capped pallets originating at other than APOE and which are going to an APOE. | C | | | 2 | 138 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0103P0102P0304 | | | | |

| 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 | | |
| 187-01 | 9801 | Estimated Date Qualifier<br>SE - Date Shipped to Port of Embarkation (POE)<br>*Use 'SE' to denote Estimated Date Arrival at APOE.* | M | ID | 2/2 | 2 | 138 | O | 10 | >1 | 1 | HL | G6201 | 432 | C | ID | 2/2 |
| 187-02 | 9801 | Estimated Date (UTC) Arrival at APOE<br>Enter Estimated Date (UTC) Arrival at APOE using CCYYMMDD format. | M | DT | 8/8 | 2 | 138 | O | 10 | >1 | 1 | HL | G6202 | 373 | C | DT | 8/8 |
| 187-03 | 9801 | Estimated Time Qualifier<br>E - Estimated Arrival Time<br>*Use 'E' to denote Estimated Time Arrival at APOE.* | M | ID | 1/1 | 2 | 138 | O | 10 | >1 | 1 | HL | G6203 | 176 | C | ID | 1/2 |
| 187-04 | 9801 | Estimated Time (UTC) Arrival at APOE<br>Enter Estimated Time (UTC) Arrival at APOE using HHMM format. | M | TM | 4/8 | 2 | 138 | O | 10 | >1 | 1 | HL | G6204 | 337 | C | TM | 4/8 |
| 188 | 9801 | **G62 SEGMENT - Pallet Closed Date (UTC)**<br>SEGMENT CONDITION: Required when the following NTE02 at Position 140 contains 'C'. | C | | | 2 | 138 | O | 10 | >1 | 1 | HL | See X12 Standards for explanation of syntax notes. R0103P0102P0304 | | | | |
| 188-01 | 9801 | Pallet Closed Date Qualifier<br>BP - Contract Closed<br>*Use 'BP' to denote Pallet Closed Date.* | M | ID | 2/2 | 2 | 138 | O | 10 | >1 | 1 | HL | G6201 | 432 | C | ID | 2/2 |
| 188-02 | 9801 | Pallet Closed Date (UTC)<br>Enter date (UTC) pallet closed using CCYYMMDD format. | M | DT | 8/8 | 2 | 138 | O | 10 | >1 | 1 | HL | G6202 | 373 | C | DT | 8/8 |
| 189 | 9801 | **NTE SEGMENT - Pallet Processing Status Code**<br>SEGMENT CONDITION: Required for DLA built pallets that are sent to an AMC aerial port for onward movement. | C | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 189-01 | 9801 | Pallet Processing Status Code Qualifier<br>PCS - Process Specification<br>*Use 'PCS' to denote Pallet Processing Status Code.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |

| 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 | | |
| 189-02 | 9801 | Pallet Processing Status Code<br>Use the following values as indicated:<br>C - Pallet Closed<br>D - Driver Sign-off<br>T - Truck Closed<br>U - Un-offered. | M | AN | 1/1 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 190 | 9801 | **NTE SEGMENT - Onward Mode/Method** | M | | | 2 | 140 | O | 100 | >1 | 1 | HL | | | | | |
| 190-01 | 9801 | Onward Mode/Method Qualifier<br>EMD - Estimate Method Description<br>*Use 'EMD' to denote Onward Mode/Method.* | M | ID | 3/3 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE01 | 363 | O | ID | 3/3 |
| 190-02 | 9801 | Onward Mode/Method<br>NOTE: Changed attribute length fom 1/1 to 1/2 per DM 896.<br>SOURCE: DTR Part II, Appendix GG<br>[TAB 27/27] | M | AN | 1/2 | 2 | 140 | O | 100 | >1 | 1 | HL | NTE02 | 352 | M | AN | 1/80 |
| 191 | 9801 | **L0 SEGMENT - Total Weight, Cube, Pieces for 463L Pallet Load** | M | | | 2 | 145 | O | 1 | 20 | 2 | L0 | | | | | |
| | | | | | | See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315 | | | | | | | | | | | |
| 191-04 | 9801 | Total Scale Weight for 463L Pallet Load<br>ELEMENT CONDITION: Enter total shipping weight (including pallet, nets, chains, straps, devices, etc.) if available. | C | R | 1/10 | 2 | 145 | O | 1 | 20 | 2 | L0 | L004 | 81 | C | R | 1/10 |
| 191-05 | 9801 | Weight Type Code<br>ELEMENT CONDITION: Required if L004 is used.<br>G - Gross Weight | C | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L005 | 187 | C | ID | 1/2 |
| 191-06 | 9801 | Total Cube of 463L Pallet Load<br>All cube entries should be rounded to whole numbers.<br>CHANGE NOTE: Reference to whole numbers added per DM 810.<br>[TAB 77/80] | M | R | 1/4 | 2 | 145 | O | 1 | 20 | 2 | L0 | L006 | 183 | C | R | 1/8 |
| 191-07 | 9801 | Cube Qualifier<br>N - Cubic Inches | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L007 | 184 | C | ID | 1/1 |

| 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 | | |
| 191-08 | 9801 | Total Pieces on the Pallet<br>Enter the total number of pieces for the shipment units documented on the pallet. If the pallet and its contents have been documented as one shipment unit (a single TCN) then it will only be one piece.<br>[TAB 68/71] | M | N0 | 1/4 | 2 | 145 | O | 1 | 20 | 2 | L0 | L008 | 80 | C | N0 | 1/7 |
| 191-09 | 9801 | Pieces Qualifier<br>CHANGE NOTE: Data element added per DM 810.<br>PCS - Pieces | M | ID | 3/3 | 2 | 145 | O | 1 | 20 | 2 | L0 | L009 | 211 | C | ID | 3/3 |
| 192 | 9801 | **L0 SEGMENT - Cargo Weight**<br>LOOP CONDITION: Mandatory except for DLA shipments. | C | | | 2 | 145 | O | 1 | 20 | 2 | L0 | See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315 | | | | |
| 192-04 | 9801 | Cargo Weight<br>Enter total Cargo Weight less weight of pallet, nets, chains, straps, devices, etc.<br>[TAB 72/76] | M | R | 1/10 | 2 | 145 | O | 1 | 20 | 2 | L0 | L004 | 81 | C | R | 1/10 |
| 192-05 | 9801 | Weight Qualifier<br>N - Actual Net Weight | M | ID | 1/1 | 2 | 145 | O | 1 | 20 | 2 | L0 | L005 | 187 | C | ID | 1/2 |
| 193 | 9801 | **MEA SEGMENT - Pallet Height**<br>SEGMENT CONDITION: Use for loaded 463L pallet. | C | | | 2 | 160 | O | 10 | 20 | 2 | L0 | See X12 Standards for explanation of syntax notes. R03050608C0504C0604L07030506E0803 | | | | |
| 193-01 | 9801 | Pallet Dimensions Qualifier<br>PA - Pallet Dimensions | M | ID | 2/2 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA01 | 737 | O | ID | 2/2 |
| 193-02 | 9801 | Pallet Height Qualifier<br>HT - Height | M | ID | 2/2 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA02 | 738 | O | ID | 1/3 |
| 193-03 | 9801 | Pallet Height<br>Enter Pallet Height in inches.<br>[TAB 55/57] | M | R | 1/3 | 2 | 160 | O | 10 | 20 | 2 | L0 | MEA03 | 739 | C | R | 1/20 |
| 194 | 9801 | **N1 SEGMENT - Loading Activity DoDAAC**<br>LOOP CONDITION: Use to indicate the pallet loading activity if the pallet is loaded at other than an air terminal. | C | | | 2 | 290 | O | 1 | 4 | 2 | N1 | See X12 Standards for explanation of syntax notes. R0203P0304 | | | | |

| 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 | | |
| 194-01 | 9801 | Loading Activity Qualifier<br>LP - Loading Party<br>*Use 'LP' to denote Pallet Loading Activity.* | M | ID | 2/2 | 2 | 290 | O | 1 | 4 | 2 | N1 | N101 | 98 | M | ID | 2/3 |
| 194-02 | 9801 | Loading Activity DODAAC<br>Enter the DoDAAC of the activity that loaded the pallet if not an air terminal. | M | AN | 6/6 | 2 | 290 | O | 1 | 4 | 2 | N1 | N102 | 93 | C | AN | 1/60 |
| 195 | 9801 | **N1 SEGMENT - Ultimate Consignee DoDAAC**<br>LOOP CONDITION: Use only if the 463L pallet contents will be delivered to a single consignee.<br>SEGMENT CONDITION: Use only if the 463L pallet contents will be delivered to a single consignee. | C | | | 2 | 290 | O | 1 | 4 | 2 | N1 | See X12 Standards for explanation of syntax notes. R0203P0304 | | | | |
| 195-01 | 9801 | Ultimate Consignee Qualifier<br>CN - Consignee<br>*Use 'CN' to denote Ultimate Consignee.* | M | ID | 2/2 | 2 | 290 | O | 1 | 4 | 2 | N1 | N101 | 98 | M | ID | 2/3 |
| 195-03 | 9801 | Identification Code Qualifier<br>10 - Department of Defense Activity Address Code (DODAAC) | C | ID | 2/2 | 2 | 290 | O | 1 | 4 | 2 | N1 | N103 | 66 | C | ID | 1/2 |
| 195-04 | 9801 | Ultimate Consignee DoDAAC<br>Enter DoDAAC of the ultimate consignee. | M | AN | 6/6 | 2 | 290 | O | 1 | 4 | 2 | N1 | N104 | 67 | C | AN | 2/80 |
| 196 | 10 | **SE SEGMENT - TCMD Trailer** | M | | | 3 | 020 | M | 1 | | | | | | | | |
| 196-01 | 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 |
| 196-02 | 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 | 9/9 | 3 | 020 | M | 1 | | | | SE02 | 329 | M | AN | 4/9 |

# Section 6.0

# APPLICATION CODE LISTS

# 2-02 -- Mode/Method to POE Code

| Data Value - Definition |
|---|
| 6 - Military Official Mail |
| 7 - Mail |
| A - Air |
| AC - Air Charter |
| AE - Air Express |
| AF - Air Freight |
| AH - Air Taxi |
| AR - Armed Forces Courier Service (ARFCOS) |
| B - Barge |
| BP - Book Postal |
| BU - Bus |
| C - Consolidation |
| CE - Customer Pickup / Customer's Expense |
| D - Parcel Post |
| DA - Driveaway Service |
| DW - Driveaway, Truckaway, Towaway |
| E - Expedited Truck |
| ED - European or Pacific Distribution System |
| F - Flyaway |
| FA - Air Freight Forwarder |
| FL - Motor (Flatbed) |
| GG - Geographic Receiving/Shipping |
| GR - Geographic Receiving |
| GS - Geographic Shipping |
| H - Customer Pickup |
| HH - Household Goods Truck |
| I - Common Irregular Carrier |
| J - Motor |
| *** Use 'J' to denote Motor, Truckload.* |
| K - Backhaul |
| L - Contract Carrier |
| LA - Logair |
| LT - Less Than Trailer Load (LTL) |
| M - Motor (Common Carrier) |
| MB - Motor (Bulk Carrier) |
| MP - Motor (Package Carrier) |
| N - Private Vessel |
| O - Containerized Ocean |
| P - Private Carrier |
| PA - Pooled Air |
| PG - Pooled Piggyback |
| PL - Pipeline |
| PP - Pool to Pool |
| PR - Pooled Rail |
| PT - Pooled Truck |
| Q - Conventional Ocean |
| R - Rail |
| RC - Rail, Less than Carload |
| RR - Roadrailer |
| S - Ocean |
| SB - Shipper Agent |
| SC - Shipper Agent (Truck) |
| SD - Shipper Association |
| SE - Sea/Air |
| SR - Supplier Truck |
| SS - Steamship |
| ST - Stack Train |
| T - Best Way (Shippers Option) |
| TA - Towaway Service |
| TC - Cab (Taxi) |
| TT - Tank Truck |
| U - Private Parcel Service |
| VA - Motor (Van) |
| VE - Vessel, Ocean |
| VL - Vessel, Lake |
| W - Inland Waterway |
| WP - Water or Pipeline Intermodal Movement |
| X - Intermodal (Piggyback) |
| Y - Military Intratheater Airlift Service |
| Y1 - Ocean Conference Carrier |
| Y2 - Ocean Non-Conference Carrier |
| ZZ - Mutually defined |

# 8-02 -- Mode/Method to POE Code

| Data Value - Definition |
|---|
| 6 - Military Official Mail |
| 7 - Mail |
| A - Air |
| AC - Air Charter |
| AE - Air Express |
| AF - Air Freight |
| AH - Air Taxi |
| AR - Armed Forces Courier Service (ARFCOS) |
| B - Barge |
| BP - Book Postal |
| BU - Bus |
| C - Consolidation |
| CE - Customer Pickup / Customer's Expense |
| D - Parcel Post |
| DA - Driveaway Service |
| DW - Driveaway, Truckaway, Towaway |
| E - Expedited Truck |
| ED - European or Pacific Distribution System |
| F - Flyaway |
| FA - Air Freight Forwarder |
| FL - Motor (Flatbed) |
| GG - Geographic Receiving/Shipping |
| GR - Geographic Receiving |
| GS - Geographic Shipping |
| H - Customer Pickup |
| HH - Household Goods Truck |
| I - Common Irregular Carrier |
| J - Motor |
| K - Backhaul |
| L - Contract Carrier |
| LA - Logair |
| LT - Less Than Trailer Load (LTL) |
| M - Motor (Common Carrier) |
| MB - Motor (Bulk Carrier) |
| MP - Motor (Package Carrier) |
| N - Private Vessel |
| O - Containerized Ocean |
| P - Private Carrier |
| PA - Pooled Air |
| PG - Pooled Piggyback |
| PL - Pipeline |
| PP - Pool to Pool |
| PR - Pooled Rail |
| PT - Pooled Truck |
| Q - Conventional Ocean |
| R - Rail |
| RC - Rail, Less than Carload |
| RR - Roadrailer |
| S - Ocean |
| SB - Shipper Agent |
| SC - Shipper Agent (Truck) |
| SD - Shipper Association |
| SE - Sea/Air |
| SR - Supplier Truck |
| SS - Steamship |
| ST - Stack Train |
| T - Best Way (Shippers Option) |
| TA - Towaway Service |
| TC - Cab (Taxi) |
| TT - Tank Truck |
| U - Private Parcel Service |
| VA - Motor (Van) |
| VE - Vessel, Ocean |
| VL - Vessel, Lake |
| W - Inland Waterway |
| WP - Water or Pipeline Intermodal Movement |
| X - Intermodal (Piggyback) |
| Y - Military Intratheater Airlift Service |
| Y1 - Ocean Conference Carrier |
| Y2 - Ocean Non-Conference Carrier |
| ZZ - Mutually defined |

# 14-02 -- Mode/Method to POE Code

| Data Value - Definition |
|---|
| 6 - Military Official Mail |
| 7 - Mail |
| A - Air |
| AC - Air Charter |
| AE - Air Express |
| AF - Air Freight |
| AH - Air Taxi |
| AR - Armed Forces Courier Service (ARFCOS) |
| B - Barge |
| BP - Book Postal |
| BU - Bus |
| C - Consolidation |
| CE - Customer Pickup / Customer's Expense |
| D - Parcel Post |
| DA - Driveaway Service |
| DW - Driveaway, Truckaway, Towaway |
| E - Expedited Truck |
| ED - European or Pacific Distribution System |
| F - Flyaway |
| FA - Air Freight Forwarder |
| FL - Motor (Flatbed) |
| GG - Geographic Receiving/Shipping |
| GR - Geographic Receiving |
| GS - Geographic Shipping |
| H - Customer Pickup |
| HH - Household Goods Truck |
| I - Common Irregular Carrier |
| J - Motor |
| K - Backhaul |
| L - Contract Carrier |
| LA - Logair |
| LT - Less Than Trailer Load (LTL) |
| M - Motor (Common Carrier) |
| MB - Motor (Bulk Carrier) |
| MP - Motor (Package Carrier) |
| N - Private Vessel |
| O - Containerized Ocean |
| P - Private Carrier |
| PA - Pooled Air |
| PG - Pooled Piggyback |
| PL - Pipeline |
| PP - Pool to Pool |
| PR - Pooled Rail |
| PT - Pooled Truck |
| Q - Conventional Ocean |
| R - Rail |
| RC - Rail, Less than Carload |
| RR - Roadrailer |
| S - Ocean |
| SB - Shipper Agent |
| SC - Shipper Agent (Truck) |
| SD - Shipper Association |
| SE - Sea/Air |
| SR - Supplier Truck |
| SS - Steamship |
| ST - Stack Train |
| T - Best Way (Shippers Option) |
| TA - Towaway Service |
| TC - Cab (Taxi) |
| TT - Tank Truck |
| U - Private Parcel Service |
| VA - Motor (Van) |
| VE - Vessel, Ocean |
| VL - Vessel, Lake |
| W - Inland Waterway |
| WP - Water or Pipeline Intermodal Movement |
| X - Intermodal (Piggyback) |
| Y - Military Intratheater Airlift Service |
| Y1 - Ocean Conference Carrier |
| Y2 - Ocean Non-Conference Carrier |
| ZZ - Mutually defined |

# 45-09 -- Type Pack Code

| Data Value - Definition |
|---|
| BAG - Bag<br>*** Use 'BAG' to denote Bag, burlap or cloth.*<br>BAL - Bale<br>BBL - Barrel<br>BDL - Bundle<br>BOX - Box<br>BSK - Basket or hamper<br>*** Use 'BSK' to denote Basket.*<br>CAB - Cabinet<br>CAN - Can<br>CAS - Case<br>CBY - Carboy<br>CNA - Household Goods Containers, Wood<br>*** Use 'CNA' to denote HHG containers, wood.*<br>CNB - Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air<br>*** Use 'CNB' to denote Container, MAC-ISO, lt. wgt. 8x8x20 foot air.*<br>CNC - Container, Navy cargo transporter<br>CND - Container, commercial highway lift<br>CNE - Engine Container<br>CNF - Multiwall Container Secured to Warehouse Pallet<br>*** Use 'CNF' to denote Multiwall container secured to warehouse pit.*<br>CNT - Container<br>*** Use 'CNT' to denote Container, other than CC, CM, CU, CW, MW, MX.*<br>CNX - CONEX - Container Express<br>*** Use 'CNX' to denote CONEX (Gov't owned container).*<br>COL - Coil<br>CRD - Cradle<br>*** Use 'CRD' to denote Engine cradle or dolly.*<br>CRT - Crate<br>CTN - Carton<br>CYL - Cylinder<br>DRM - Drum<br>DUF - Duffle Bag<br>*** Use 'DUF' to denote Dufflebag.*<br>ENV - Envelope<br>HPR - Hamper<br>KEG - Keg<br>LSE - Loose<br>*** Use 'LSE' to denote Loose, not packed.*<br>MLV - MILVAN - Military Van<br>*** Use 'MLV' to denote MILVAN.*<br>MSV - MSCVAN - Military Sealift Command Van<br>*** Use 'MSV' to denote MSCVAN.*<br>MXD - Mixed Type Pack<br>*** Use 'MXD' to denote Mixed.*<br>PAL - Pail<br>PCS - Pieces<br>*** Use 'PCS' to denote Piece.*<br>PLL - 463L Air Pallet<br>PLT - Pallet<br>*** Use 'PLT' to denote Palletized unit load other than code MW.*<br>REL - Reel<br>ROL - Roll<br>SAK - Sack<br>*** Use 'SAK' to denote Sack, paper.*<br>SCS - Suitcase<br>SHT - Sheet<br>SKD - Skid<br>SKE - Skid, elevating or lift truck<br>*** Use 'SKE' to denote Skid, box.*<br>SPL - Spool<br>SVN - SEAVAN - Sea Van<br>*** Use 'SVN' to denote SEAVAN.*<br>TUB - Tub<br>*** Use 'TUB' to denote Tube.*<br>UNT - Unit<br>*** Use 'UNT' to denote Unitized (use RT for unitized cargo on RORO).*<br>VEH - Vehicles<br>*** Use 'VEH' to denote Vehicle.*<br>VOC - Vehicle in Operating Condition<br>VPK - Van Pack<br>*** Use 'VPK' to denote Van chassis.*<br>WHE - On Own Wheel<br>*** Use 'WHE' to denote RORO (roll-off, roll-on).*<br>WRP - Wrapped |

# 47-01 -- Breakdown Structure Detail Code (T_0/1/4)

| 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) |
| 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 |

# 78-01 -- Breakdown Structure Detail Code (T_2)

| 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) |
| 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 |

# 101-09 -- Type Pack Code

| Data Value - Definition |
|---|
| BAG - Bag<br>*** Use 'BAG' to denote Bag, burlap or cloth.*<br>BAL - Bale<br>BBL - Barrel<br>BDL - Bundle<br>BOX - Box<br>BSK - Basket or hamper<br>*** Use 'BSK' to denote Basket.*<br>CAB - Cabinet<br>CAN - Can<br>CAS - Case<br>CBY - Carboy<br>CNA - Household Goods Containers, Wood<br>*** Use 'CNA' to denote HHG containers, wood.*<br>CNB - Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air<br>*** Use 'CNB' to denote Container, MAC-ISO, lt. wgt. 8x8x20 foot air.*<br>CNC - Container, Navy cargo transporter<br>CND - Container, commercial highway lift<br>CNE - Engine Container<br>CNF - Multiwall Container Secured to Warehouse Pallet<br>*** Use 'CNF' to denote Multiwall container secured to warehouse pit.*<br>CNT - Container<br>*** Use 'CNT' to denote Container, other than CC, CM, CU, CW, MW, MX.*<br>CNX - CONEX - Container Express<br>*** Use 'CNX' to denote CONEX (Gov't owned container).*<br>COL - Coil<br>CRD - Cradle<br>*** Use 'CRD' to denote Engine cradle or dolly.*<br>CRT - Crate<br>CTN - Carton<br>CYL - Cylinder<br>DRM - Drum<br>DUF - Duffle Bag<br>*** Use 'DUF' to denote Dufflebag.*<br>ENV - Envelope<br>HPR - Hamper<br>KEG - Keg<br>LSE - Loose<br>*** Use 'LSE' to denote Loose, not packed.*<br>MLV - MILVAN - Military Van<br>*** Use 'MLV' to denote MILVAN.*<br>MSV - MSCVAN - Military Sealift Command Van<br>*** Use 'MSV' to denote MSCVAN.*<br>MXD - Mixed Type Pack<br>*** Use 'MXD' to denote Mixed.*<br>PAL - Pail<br>PCS - Pieces<br>*** Use 'PCS' to denote Piece.*<br>PLL - 463L Air Pallet<br>PLT - Pallet<br>*** Use 'PLT' to denote Palletized unit load other than code MW.*<br>REL - Reel<br>ROL - Roll<br>SAK - Sack<br>*** Use 'SAK' to denote Sack, paper.*<br>SCS - Suitcase<br>SHT - Sheet<br>SKD - Skid<br>SKE - Skid, elevating or lift truck<br>*** Use 'SKE' to denote Skid, box.*<br>SPL - Spool<br>SVN - SEAVAN - Sea Van<br>*** Use 'SVN' to denote SEAVAN.*<br>TBE - Tube<br>TBN - Tote Bin<br>*** Use 'TBN' to denote SEAVAN - TOTE.*<br>TKR - Tank Car<br>TKT - Tank Truck<br>TRK - Trunk and Chest<br>*** Use 'TRK' to denote Footlocker (Trunk).*<br>TRU - Truck<br>TUB - Tub<br>UNT - Unit<br>*** Use 'UNT' to denote Unitized (use RT for unitized cargo on RORO).*<br>VEH - Vehicles<br>*** Use 'VEH' to denote Vehicle.*<br>VOC - Vehicle in Operating Condition<br>VPK - Van Pack<br>*** Use 'VPK' to denote Van chassis.* |

# 101-09 -- Type Pack Code (CONT)

| Data Value - Definition |
| --- |
| WHE - On Own Wheel<br>*** Use 'WHE' to denote RORO (roll-off, roll-on).*<br>WRP - Wrapped |

# 103-01 -- Breakdown Structure Detail Code (T_3)

| 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) |
| 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 |

# Section 9.0

# KEY INFORMATION FOR THE DEVELOPER

This section provides functional definitions of the TCMD. It provides a brief tutorial on the ASC X12 standard HL Hierarchical Level segment. It describes the data groups cited in the IC Element Matrix. Next, it presents programming algorithms for converting TCMD data to X12 transactions. Finally, it presents three decision tables that describe logic for constructing an 858 TCMD for a single shipment unit, container, and consolidation.

## Functional Definitions

This section provides brief definitions of the TCMD.

### WHAT IS A TCMD?

The TCMD is a set of data that describes logistics information about items that are moving through the Defense Transportation System (DTS). The TCMD can describe information about the three shipment configurations listed in Table 9.1.

*Table 9.1 TCMD Shipment Configurations*

| *Configuration* | *EDI Data Group* | *TCMD DIC Equivalent* |
|---|---|---|
| Shipment Unit | 1000 | T_0, T_1, and T_4 |
| Container | 2000 | T_2 |
| Consolidation | 3000 | T_3 |

#### *Shipment Unit*

The shipment unit is the basic shipping entity for marking, documenting, clearing and controlling a shipment. By definition, a shipment unit is 1) Single item of supply (one material release order (MRO) or DD Form 1348-1A) destined to one consignee, or; 2) Two or more compatible line items having the same consignee/destination, commodity category, and TAC, and which are shipped together…”[1] To populate a TCMD for a shipment unit, follow the decision table in *DTR, Part II, Appendix M.*

#### *Container (SEAVAN/RORO)*

To populate a TCMD for a container, follow the decision table in *DTR, Part II, Appendix M*.

*Consolidation*

A consolidation is a group of shipment units packed together into a conveyance other than a container. Loaded tri-wall containers, and pallets are examples of consolidations. To populate a TCMD for a consolidation, follow the decision table in *DTR, Part II, Appendix M*.

# HL Segment Tutorial

The X12 community developed the HL Hierarchical Level segment to identify dependencies among and the content of hierachically related groups of data segments. This principle can be applied to the TCMD data model. This section summarizes how the TCMD 858 uses the HL structure. It applies a parent-child data model to the TCMD, describes the X12 syntax for the HL segment, and illustrates the implementation of the HL structure to the TCMD.

## A PARENT-CHILD MODEL

The TCMD which describes a container shipment is composed of several levels of parent-child relationships. A child is considered a subordinate to a parent. A conveyance is always treated as a parent, and a conveyed item is always treated as a child. For example, when a tri-wall conveys shipment units, the tri-wall becomes the parent of those shipment units. Further, if a container conveys the tri-wall, then the tri-wall also becomes a child of the container. In Figure 9.1, Tri-wall (B) illustrates this condition with SEAVAN (A) and Shipment Unit (C).

*Figure 9.1 TCMD Container Shipment with Tri-walls and Shipment Units*

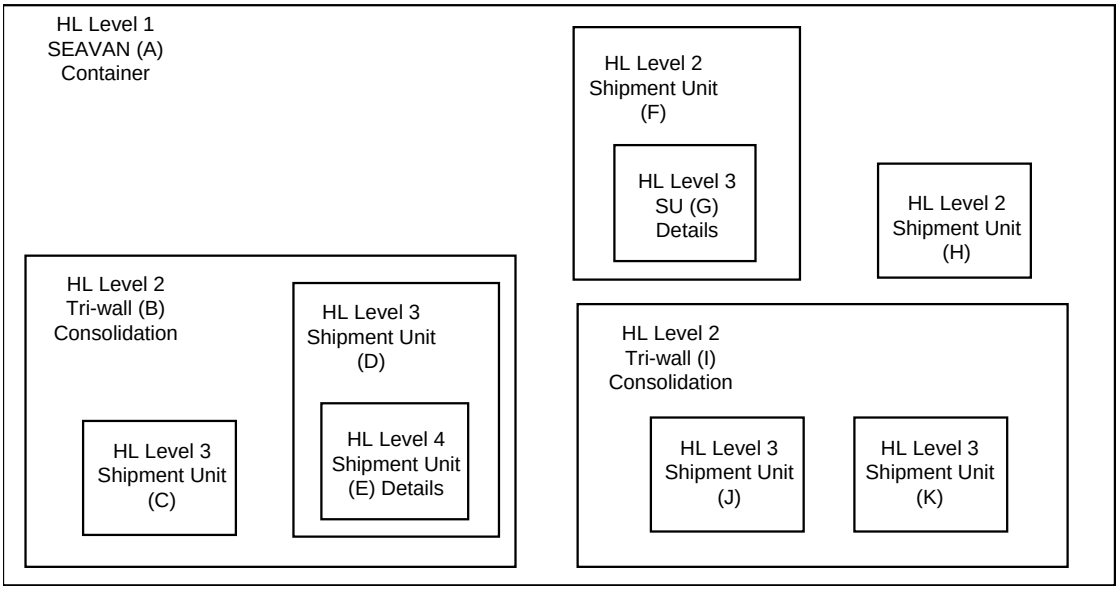
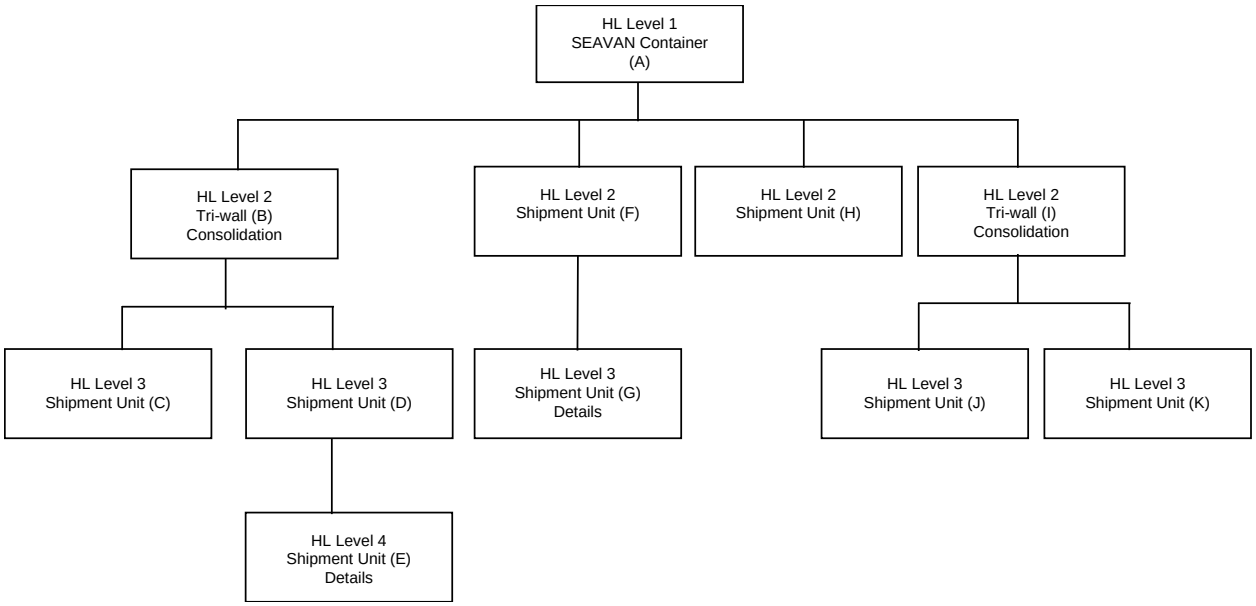



Figure 9.2 translates the example from Figure 9.1 to a hierarchical tree structure. In this example, an item at HL level 1 is always a parent and an item at HL level 4 is always a child. In between, units at level 2 are children of level-1 units and parents of level-3 units.

*Figure 9.2 Hierarchical Tree Structure of a TCMD Container Shipment*



# ASC X12 HIERARCHICAL SEGMENT STRUCTURE

Figure 3 contains the definition of the HL segments as presented in the *EDI X12 Standard, Draft Version 4 Release 1, December 1997.*

*Figure 9.3 Structure of the X12 Hierarchical Segment*

## HL Hierarchical Level

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

| REF | ELE ID | NAME | ATTRIBUTES | | |
|---|---|---|---|---|---|
| 01 | 628 | Hierarchical ID Number | M | AN | 1/12 |
| 02 | 734 | Hierarchical Parent ID Number | O | AN | 1/12 |
| 03 | 735 | Hierarchical Level Code | M | ID | 1/2 |
| 04 | 736 | Hierarchical Child Code | O | ID | 1/1 |

**COMMENTS**

00 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.

00 The HL segment defines a top-down/left-right ordered structure.

01 HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HJL01 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 HLl segment and would be incremented by one in each subsequent HL segment within the transaction.

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

03 HL03 indicates the context of the series of segments following the current HL segment up to 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.

04 HL04 indicates whether or not here are subordinate (or child) HL segments related to the current HL segment.

## LINKING HL SEGMENTS

The hierarchical principle in X12 syntax calls for the developer to create a link between a child HL loop and its parent HL loop. That link is incorporated directly into the child loop header segment at HL02. This link is one-directional from child to parent. The link may not be traced from parent to child.

## HIERARCHICAL IMPLEMENTATION WITHIN THE 858 TCMD

By tracking the trailer, van, or container number, the developer creates links between child and parent HL loops. Figure 9.4 is an X12 hierarchical structure describing the shipment configuration in Figure 9.2. Recreate the translation by traversing the tree structure in Figure 9.2 following a node/left/right (NLR) scanning order.

*Figure 9.4 X12 Example of the TCMD HL Hierarchical Structure*

| | |
|---|---|
| HL*1**2 n/l | HL Level 1 - SEAVAN (A) (HL03=2) |
| N7**(A) n/l | Equipment ID |
| HL*2*1*3 n/l | HL Level 2 - Tri-wall (B) (HL03=3) |
| N7**(B) n/l | Current level equipment ID |
| HL*3*2*1 n/l | HL Level 3 - Shipment unit (C) (HL03=I) |
| HL*4*2*I n/l | HL Level 3 - Shipment unit (D) |
| HL*5*4*6 n/l | HL Level 4 - Shipment unit details (E) (HL03=6) |
| HL*6*1*1 n/l | HL Level 2 - Shipment unit (F) |
| HL*7*6*6 n/l | HL Level 3 - Shipment unit details (G) |
| HL*8*1*1 n/l | HL Level 2 - Shipment unit (H) |
| HL*9*1*3 n/l | HL Level 2 - Tri-wall (I) |
| N7**(E) n/l | Current level equipment ID |
| HL*10*9*1 n/l | HL Level 3 - Shipment unit (J) |
| HL*11*9*1 n/l | HL Level 3 - Shipment unit (K) |

# DataGroups

A programmer needs to process Transportation Control and Movement Document (TCMD) data sets into EDI data groups when constructing an 858 TCMD. Table 9.3 cross-references the EDI IC data groups with corresponding DICs of TCMD prime data. Table 9.4 cross-references the EDI IC data groups with corresponding DICs for TCMD trailer data.

A programmer needs to process TCMD data sets into EDI data groups when constructing an 858 TCMD.

The EDI IC 858 TCMD format includes DataGroups (e.g., DG 1000, 1001, 2001, etc.) that are functionally mapped to the MILS transaction formats in order to provide legacy information during the migration from MILS to EDI. The mapping adheres to a general pattern as follows:

- EDI 858 TCMD DGs10xx to 90xx are for TCMD records T_1 to T_9 respectively. The transaction DGs are used to identify contextually related information and do not map to the MILS records on a one-to-one basis.
- DG “__00” identifies EDI 858 Table 1 Header records that precede each transaction.
- DG “__01” identifies EDI 858 Table 2 Detail records for TCMD T_1 to T_8 information.
- For DG “__13” to DG "__17," the digit values 13 to 17 identify EDI 858 Table 2 Detail records with respect to the *DTR Part II, Appendix M, Table M-13 to M-17* table numbers for TCMD T_9 information.

Table 9.3 cross-references the EDI IC data groups with corresponding DICs of TCMD prime data. Table 9.4 cross-references the EDI IC DataGroups with corresponding DICs for TCMD trailer data.

*Table 9.3 TCMD Prime Data Group Description*

| *Data Group Number* | *TCMD DIC* | *Description* |
|---|---|---|
| 1000 | T_0/1 | Shipment unit information that appears in the header table of the 858. |
| 1001 | T_0/1/4 | Shipment unit information that appears in the detail table of the 858. |
| 2000 | T_2 | Container information that appears in the header table of the 858. |
| 2001 | T_2 | Container information that appears in the detail table of the 858. |
| 3000 | T_3 | Consolidation information that appears in the header table of the 858. |
| 3001 | T_3 | T_3 Consolidation information that appears in the detail table of the 858. |

*Table 9.4 TCMD Trailer Data Group Description*

| *Data Group Number* | *TCMD DIC* | *Data Group Description* |
|---|---|---|
| 5001 | T_5 | Cargo information that appears in the detail table of the 858. |
| 6001 | T_6 | NSN, Nomenclature, and HAZMAT information that appears in the detail table of the 858. |
| 7001 | T_7 | NEW, Ammunition, Explosives, or Lot information that appears in the detail table of the 858. |
| 8001 | T_8 | Personal Property information that appears in the detail table of the 858. |
| 9013 | T_9 | General Miscellaneous Information that appears in the detail table of the 858. |
| 9014 | T_9 | Seal Numbers and Applier of Replacement Seals that appears in the detail table of the 858. |
| 9801 | T_9 | 463L Capped Pallet Header Information that appears in the detail table of the 858. |