



Department
of
Defense

DoD
Transportation
Electronic Business
(DTEB) Convention

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

VERSION 22

October 4, 2023



Department
of
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Transportation
Electronic Business
(DTEB) Convention

ASC X12 Transaction Set 858
Shipment Information (Version
004010) – Freight Bill of Lading
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VERSION 22

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Section 1.0

INTRODUCTION

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

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

United States Transportation Command
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For the most recent publication, go to the World-Wide Web at

<https://www.ustranscom.mil/cmd/associated/dteb/dod-transportation.cfm>

Who Needs to Use This Document?

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

Why Use a Convention?

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

Contents

Additional sections are included in this document.

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

What's New In Version 22

Added in Version 22

DM Number	DM Description	Approval Date
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1340	In the 858.R.004010 Version 22, at section 3 Ref SL101 Data Element 284, add the code AE with description "Extended".	9/22/2023
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Added in Version 21

DM Number DM Description Approval Date

1333 In the FA201, Breakdown Structure Detail Code, DE 1196, add the following code 8/31/2022

values:

89, [Migration code – Version 004020] modifying the definition from ‘Budget Line Item Identification’ to ‘Budget Line Item’

90, [Migration code – Version 004020] modifying the definition from ‘Project/task’ to ‘Project Identifier’

AI, [Migration code – Version 007020] ‘Activity Identifier’

BE, [Migration code – Version 007020] ‘Business Event Type Code’

C3, modifying the definition from ‘Budget Restriction’ to ‘Availability Type’

CC, [Migration code – Version 007020] ‘Cost Center Identifier’

FA, [Migration code – Version 007020] ‘Functional Area’

FC, [Migration code – Version 007020] ‘Funding Center Identifier’

FT, [Migration code – Version 004030] ‘Funding Type’

H1, modifying the definition from ‘Cost Code’ to ‘Cost Element Code’

IA, [Migration code – Version 007020] ‘Security Cooperation Implementing Agency Code’

P1, Modifying the definition from ‘Disbursing Station Number’ to ‘Agency Disbursing Identifier Code’

S1, [Migration code – Version 007020] modifying the definition from ‘Security Cooperation Customer Code’ to ‘Security Cooperation’

S2, [Migration code – Version 007020] modifying the definition from ‘Security Cooperation Case Designator’ to ‘Security Cooperation’

WO, [Migration code – Version 007020] ‘Work Order Number’

YB, [Migration code – Version 007020] ‘Beginning Period of Availability Fiscal Year Date’

YE, [Migration code – Version 007020] ‘Ending Period of Availability Fiscal Year Date’

In the FA201, Breakdown Structure Detail Code, DE 1196, change the following code values:

A1, modify the definition from ‘Department Indicator’ to ‘Department Regular’

A2, modify the definition from ‘Transfer From Department’ to ‘Department Transfer’

A4, modify the definition from ‘Basic Symbol Number’ to ‘Main Account’

A6, modify the definition from ‘Sub-Account Symbol’ to ‘Sub Account’

B2, modify the definition from ‘Budget Sub-activity Number’ to ‘Sub-Allocation’

L1, modify the definition from ‘Accounting Installation Number’ to ‘Agency Accounting Identifier’

Added in Version 20

DM Number	DM Description	Approval Date
1326	At index 127 of the L0 segment, modify usage note to change from "Shipper systems do not need to provide the Dimensional Weight" to "Shipper systems must provide the Dimensional Weight".	8/18/2021

Added in Version 19

DM Number	DM Description	Approval Date
1324	At Position 130 Detail, L504, DE-23, (Must Use), please add code values "A" and "J". --"A" – Harmonized Tariff Schedule of the United States Annotated, Classification of Imported merchandise for rate of duty and statistical purposes --"J" – Harmonized System-Based Schedule B, Classification of Exported merchandise -At Position 100 Detail, N901, DE-128, (Mandatory Use), please add code values "HS", "JY" and "LY". --"HS" – Harmonized Code System (Canada) --"JY" – Origin of Shipment Harmonized-Based Code, Harmonized code of the commodity in the country which is the origin of the shipment --"LY" – Destination of Shipment Harmonized-Based Code, Harmonized code of the commodity in the country which is the shipping destination.	3/30/2021

Added in Version 18

DM Number	DM Description	Approval Date
1322	: In Section 4 at Index [175-04] Service Charge - L104 DE 58 - The DoD Recommended Attribute Min/Max needs to be increased from "1/8" to "1/10". In Section 4 at Index [192-04] Not Lowest Cost Charge Difference - L104 DE 58 - The DoD Recommended Attribute Min/Max needs to be increased from "1/8" to "1/12".	2/4/2021

Added in Version 17

DM Number DM Description

Approval Date

1306	<p>To accommodate the new Global Heavyweight Service (GHS) contract, additional accessorial codes are needed in the 858R. In section 6 on the table for Accessorial/Protective Service for Air Shipments (table) used in the H301, DE152 at index [32-01] and the L108, DE150 at index [173-08] add the following X12 codes: X12 Code X12 Description DoD Definition (* denotes borrowed code from DE 150)</p> <ul style="list-style-type: none">* Z11 Protective Service Rule 518 Temperatures maintained at 32° Fahrenheit and below* Z12 Protective Service Rule 530 Temperatures maintained at or above 33° Fahrenheit and at or below 49° Fahrenheit* Z13 Protective Service Rule 531 Temperatures maintained at or above 50° Fahrenheit and at or below 67° Fahrenheit <p>UNCLASSIFIED</p> <ul style="list-style-type: none">* Z14 Protective Service Rule 545 Temperatures maintained at or above 68° Fahrenheit and at or below 86° Fahrenheit* ACF Access Charge - Federal Air Carrier Refrigerated Trucking used in extenuating circumstances that exceed the Transportation Service Provider's current door-to-door commercial air capability.* ACH Access Charges Air Carrier Trucking used in extenuating circumstances that exceed the Transportation Service Provider's current door-to-door commercial air capability.* RIE Released Value Charge in Excess of Carrier Maximum Liability Charge Transportation Service Provider wet ice re-icing for heavyweight air (less-than-planeload) door-to-door service* RID Riding Attendant Charge Transportation Service Provider dry ice re-icing for heavyweight air (less-than-planeload) door-to-door service * LDS Locomotive Delayed in Switching Service Transportation Service Provider furnished Life and Death Emergency On-board Courier Service for heavyweight air (less-than-planeload) door-to-door service <p>In Section 6 at index [32-01] Accessorial/Protective Service Ordered Identifier H301 DE 152, associate the identified H301 DE 152 [32-01] Accessorial/Protective Service for Air Shipments (table) codes to the following Service Unit/Rate Qualifier Codes for both L003 DE 221 [174-03] and L103 DE 122 [175-03]: X12 Code == L003 DE 221 [174-03] == L103 DE 122 [175-03]</p>	3/29/2019
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Z11 == EA == PS, LB
 Z12 == EA == PS, LB
 Z13 == EA == PS, LB
 Z14 == EA == PS, LB ACF
 == EA == VT, MN, PS ACH
 == EA == VT, MN, PS RIE
 == EA == ER, PS RID ==
 EA == ER, PS LDS == EA
 == PS

Added in Version 16

DM Number	DM Description	Approval Date
1301	Add language to N722 at Index 43-22 stating the following: "Left justify the code and fill to the right with the lower case 'x' until a length of four characters is attained."	3/13/2019

Added in Version 15

DM Number	DM Description	Approval Date
1296	In Section 6 at index [32-01] Accessorial/Protective Service Ordered Identifier H301 DE 152, associate the identified L103 DE 122 [175-03] Rate Qualifier Codes to the Accessorial/Protective Service for Air Shipments (table) for the following X12 Codes: X12 Code == L103 DE 122 [175-03] Code(s) 003 == PS 015 == PS, FR 020 == PS 520 == PS 535 == PS, LB, MN 593 == PS 665 == PS, LB, MN 670 == PS, LB, MN AAT == PS, FR AIR == PS DOC == PS, FR ECR == PS EVC == PS, MN, DH(migrated code see Freight Rate Qualifier table for definition) HMA == PS, LB, MN HMI == PS, LB, MN MSG == PS PDY == PS, LB, MN	2/19/2019

Added in Version 14

DM Number DM Description

Approval Date

1293	<p>To accommodate the DFTS contract, additional equipment type codes are needed in the 858R. At Indexes 43-22 (N722, DE 24)and 47-04 (N504, DE 301), request the addition of the following equipment type codes.</p> <p>AQ3 – Removable Gooseneck, 3 Axles AQ4 – Removable Gooseneck, 4 Axles AQ5 – Removable Gooseneck, 5 Axles AQ6 – Removable Gooseneck, 6 Axles AQ7 – Removable Gooseneck, 7 Axles AQ8 – Removable Gooseneck, 8 Axles AQ9 – Removable Gooseneck, 9 Axles AQ0 – Removable Gooseneck, 10 Axles and Over AW2 – Expandable Removable Gooseneck, 2 Axles AW3 – Expandable Removable Gooseneck, 3 Axles AW4 – Expandable Removable Gooseneck, 4 Axles AW5 – Expandable Removable Gooseneck, 5 Axles AW6 – Expandable Removable Gooseneck, 6 Axles AW7 – Expandable Removable Gooseneck, 7 Axles AW8 – Expandable Removable Gooseneck, 8 Axles AW9 – Expandable Removable Gooseneck, 9 Axles AW0 – Expandable Removable Gooseneck, 10 Axles and Over AX2 – Jig Trailer, 2 Axles AX3 – Jig Trailer, 3 Axles AX4 – Jig Trailer, 4 Axles AX5 – Jig Trailer, 5 Axles AX6 – Jig Trailer, 6 Axles AX7 – Jig Trailer, 7 Axles AX8 – Jig Trailer, 8 Axles AX9 – Jig Trailer, 9 Axles AX0 – Jig Trailer, 10 Axles and Over A18 – Propeller Trailer</p>	10/9/2018
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Added in Version 13

DM Number	DM Description	Approval Date
1279	Remove "Accessorial Service for Tailored Transportation Contract Traffic Shipments" code list from the section 6 material	4/12/2018

Added in Version 12

DM Number	DM Description	Approval Date
1271	To accommodate the DFTS contract, additional accessorial codes are needed in the 858R. In Section 6 tables, request to add the following X12 Codes: X12 Code - X12 Description - Section 6 segment(s) DSC - Discount - Rail, Air, Motor, Misc FCB - Freight Charge to Border - Rail, Air, Motor, Misc LFT - Lift Gate (Truck) or Forklift Service at Pick-Up/Delivery - Air, Motor, Misc LHS - Linehaul Service - Motor REP - Residential Pick-up - Air, Motor, Misc RES - Residential Delivery - Air, Motor, Misc	12/26/2017

Added in Version 11

DM Number	DM Description	Approval Date
1258	In the 858, at index 26, request to add: Index 26-02 Data Name: Contact Name Mandatory AN 1/60	9/25/2017

Added in Version 10

DM Number	DM Description	Approval Date
1225	<p>1. In Section 6 for the H301, DE 152, at index [32-01] and L108, DE 150, at index [173-08] add the following code under the Accessorial / Protective Service for Air Shipments table: Code == X12 Definition == DOD Definition (* denotes borrowed code) PUC == Pick-up Charge == Urgent Pickup Service</p> <p>2. Add the following code under the Accessorial / Protective Service for Motor Shipments table: Code == X12 Definition == DOD Definition (* denotes borrowed code) PUC == Pick-up Charge == Urgent Pickup Service</p> <p>3. Add the following codes under the Accessorial Service for Rail Shipments table: Code == X12 Definition == DOD Definition 490 == Minimum Air Transportation Charge == Crane Operator at Destination 505 == Missing Account NBR Charge == Crane Operator at Origin DTB == Detention (Labor) == Detention of Vehicles FCS == Furnishing Chassis == Furnishing Chassis for COFC Shipments LIE == Liability of Carrier Charge == Liability of Transportation Service Provider PUC == Pick-up Charge == Urgent Pickup Service RCC == Reconsignment Charge == Reconsignment/Diversion SRG == Storage SRS == Surveying Routes</p>	5/20/2016
1222	<p>In the N9 Segment of the HL loop, request to add 2 indices for the shipment unit level contract number and purchase order number. Indices should be added after the Requisition Number and before the TCN. Proposed structure is: Index: 100 DG: 100 Data Name: N9 SEGMENT – Shipment Unit Contract Number SEGMENT CONDITION: Use this segment if the contract number used to purchase the shipment unit is available. Conditional Segment Index: 100-01</p>	4/29/2016

DG: 100
 Data Name: Authority Number (Contract) Qualifier
 CT - Contract Number
 Mandatory ID 2/2
 Index: 100-02
 DG: 100
 Data Name: Authority Number (Contract)
 The contract number which corresponds to the shipment unit.
 Mandatory AN 1/30
 Index: 100-03
 DG: 100
 Data Name: Authority Number (Contract) Date
 Conditional DT 8/8
 Index: 101
 DG: 100
 Data Name: N9 SEGMENT – Shipment Unit Contract Number
 SEGMENT CONDITION: Use this segment if the purchase order
 (PO) number used to purchase the shipment unit is available.
 Conditional Segment
 Index: 101-01
 DG: 100
 Data Name: Authority Number (PO) Qualifier
 PO - Purchase Order Number
 Mandatory ID 2/2
 Index: 101-02
 DG: 100
 Data Name: Authority Number (PO)
 The PO number which corresponds to the shipment unit.
 Mandatory AN 1/30
 Index: 101-03
 DG: 100
 Data Name: Authority Number (PO) Date
 Conditional DT 8/8

Added in Version 9

DM Number	DM Description	Approval Date
1217	<p>In section 6 on the table for Accessorial/Protective Service for Motor Shipments used in the H301, DE152 at index [32-01] and the L108, DE150 at index [173-08] add the following X12 codes with associated DOD definitions:</p> <p>Code Value == X12 Definition == DOD Definition</p> <p>Z01 == Protective Service Rule 25 == Motor Surveillance (1-hour calls)</p> <p>Z04 == Protective Service Rule 75 == Motor Surveillance (4-hour calls)</p> <p>Z08 == Protective Service Rule 165 == Motor Surveillance (8-hour calls)</p> <p>For each of these codes add a DOD implementation note that reads: "Only available for use on CONUS based motor freight movements where Satellite Motor Surveillance (code SNS) is not applied."</p>	3/14/2016

Added in Version 8

DM Number	DM Description	Approval Date
1215	In the H301, DE 152 at index 32-01 and in Section 6 for the Accessorial/Protective Service for Air Shipments table add the following X12 codes and associated DOD definitions: Code == X12 Definition == DOD Definition 665 == Saturday Delivery 670 == Saturday Pick-Up	1/11/2016
1214	In the L102, DE 56 at index 176-12, add the following X12 codes and associated DOD definitions (* denotes borrowed code): Code == X12 Definition == DOD Definition DA == Door-to-Airport of Debarkation *RD == Ramp to Door == Denote to mean Airport to Door	12/18/2015

Added in Version 7

DM Number	DM Description	Approval Date
1207	In the L103, DE 122 at index 185-03 and in Section 6 add the approved X12 code 'LB - Per Pound'	11/19/2015
1206	In the H301, DE 152 at index 32-01 and in Section 6 for the Accessorial/Protective Service for Air Shipments table add the following X12 codes and associated DOD definitions (* denotes borrowed code from DE 150): Code == X12 Definition == DOD Definition * 003 == Account Number Correction Charge * 020 == Address Correction *015 == Add on - Origin == Denote to mean BAHRAIN Certificate of Origin Fee * 535 == Pickup - Out of Area == Denote to mean Pickup Beyond Service Area Charge * 593 == Re-Bill Charge * AAT == Handling Charge Tax == Denote to mean DJIBOUTI Harmonized System Code * DOC == Documentation Charge == Denote to mean DJIBOUTI Documentation Fee HMA == Accessible Hazardous Material HMI == Inaccessible Hazardous Material * MSG == Miscellaneous Charge * PDY == Pickup and Delivery Beyond Service Area Charge == Denote to mean Delivery Beyond Service Area Charge	11/13/2015

Added in Version 6

DM Number DM Description

Approval Date

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

Added in Version 5

DM Number DM Description

Approval Date

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

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

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

Added in Version 4

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

Added in Version 3

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

Added in Version 2

DM Number	DM Description	Approval Date
1105	At Section 3.0, L103; add code VT with description " Per mile per vehicle". At Section 4.0, Ref L103 Fuel Surcharge Rate Qualifier, Data Element 122 Index 180-03; add code VT with description "Per mile per vehicle".	5/9/2013
1104	At index 117-05, L005 - Freight Weight Qualifier, DE 187, change DoD Recommended Attributes min/max length from 2/2 to 1/2.	4/18/2013
1101	At index 132-05, in the LH105 - HAZMAT - US Standard Net Explosive Weight Code, DE 355, remove the code values 'KG - Kilogram' and 'LT - Liter'.	4/18/2013

1100	<p>1. At index 126-06, in the LH106, HAZMAT - English Measurement Code, DE 355, add the code values '2R - Kilocurie', '4D - Curie', 'G2 - U.S. Gallons per Minute', 'M5 - Microcurie', 'MU - Millicurie', and 'PN - Pounds Net' and remove the code value 'H4 - Hectoliter'. Modify the ELEMENT CONDITION note to read: Required if LH107 is used. At least one LH106/LH107 or LFH05/LFH06 are required to pass the HAZMAT unit of measure and quantity. If an English and Metric unit of measure are available, both are required.</p> <p>2. At index 131-05, in the LFH05 - HAZMAT - Metric Measurement Code, DE 355, modify the code list referenced in Section 6 to add the code 'H4 - Hectoliter' and remove the codes '2R - Kilocurie', '40 - Curie' (note: this code value is incorrect in the current version of the DTEB IC; the correct value for Curie is '4D' by ASC X12 standards), 'G2 - U.S. Gallons per Minute', 'GA - Gallon', 'M5 - Microcurie', 'MU - Millicurie', and 'PN - Pounds Net'.</p> <p>3. At index 131-06 modify the ELEMENT CONDITION note to read: Required if LFH05 is used. At least one LH106/LH107 or LFH05/LFH06 are required to pass the HAZMAT unit of measure and quantity. If an English and Metric unit of measure are available, both are required.</p>	4/18/2013
1099	At Section 3.0, L103; add code PM with description "Per Mile". At Section 4.0, Ref L103 Fuel Surcharge Rate Qualifier, Data Element 122 Index 180-03; add code PM with description "Per Mile".	4/11/2013
1093	Delete Type of Service Code 'DR- Door to Ramp' from L012 (Index 176-12).	3/7/2013

Added in Version 1

DM Number DM Description

Approval Date

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

Section 2.0

CONTROL SEGMENTS

Instruction

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

Commercial Trading Partners and DoD personnel may view the Convention at:
<http://www.ustranscom.mil/cmd/associated/dteb/>

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Section 3.0

STANDARD IMPLEMENTATION CONVENTION

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

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

- Must Use - Segment or data element is Mandatory for DTEB.
- Used - Segment or data element is used.

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

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858

Functional Group=

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
030	BX		M	1			Used
040	BNX		O	1			Used
060	N9		O	30			Used
080	Y7		O	1			Used
090	C3		O	1			Used
110	G62		O	10			Must use
120	PER		O	3			Used
140	F9		O	1			Used
150	D9		O	1			Used
170	R2		O	13			Used
180	R4		O	5			Used
200	H3		O	20			Used
<u>LOOP ID - E1</u>					<u>2</u>		
220	E1		O	1			Used
230	E4		O	1			Used
240	E5		O	13			Used
270	L7		O	30			Used
280	NTE		O	50			Used
<u>LOOP ID - N7</u>					<u>600</u>		
330	N7		O	1			Used
331	EM		O	1			Used
335	NA		O	30			Used
340	M7		O	5			Used
350	N5		O	1			Used
360	REF		O	5			Used
<u>LOOP ID - N1</u>					<u>12</u>		
390	N1		O	1			Must use
400	N2		O	2			Used
410	N3		O	2			Used
420	N4		O	1			Used
440	PER		O	3			Used
<u>LOOP ID - S5</u>					<u>999</u>		
450	S5		O	1			Used
460	G62		O	6			Used
<u>LOOP ID - N1</u>					<u>5</u>		
490	N1		O	1			Must use
500	N2		O	2			Used
510	N3		O	2			Used
520	N4		O	1			Used
540	PER		O	3			Used

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - FA1					<u>≥1</u>		
550	FA1		O	1			Used
560	FA2		M	>1			Used
570	L10		O	1			Must use

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - HL					<u>≥1</u>		
010	HL		M	1			Used
020	N7		O	1			Used
030	NA		O	1			Used
040	M7		O	5			Used
090	L7		O	10			Used
095	SL1		O	1			Used
100	N9		O	10			Must use
130	L5		O	10			Must use
134	LH6		O	5			Used
140	NTE		O	100			Used
LOOP ID - L0					<u>20</u>		
145	L0		O	1			Must use
150	L1		O	20			Used
160	MEA		O	10			Used
LOOP ID - LH1					<u>100</u>		
170	LH1		O	1			Used
180	LH2		O	4			Used
190	LH3		O	12			Used
191	LFH		O	20			Used
210	LHR		O	10			Used
LOOP ID - FA1					<u>≥1</u>		
230	FA1		O	1			Used
240	FA2		M	>1			Used
250	L10		O	1			Used
LOOP ID - NM1					<u>4</u>		
260	NM1		O	1			Used
LOOP ID - N1					<u>4</u>		
290	N1		O	1			Used
300	N2		O	2			Used
310	N3		O	2			Used
320	N4		O	1			Used

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	L3		O	1			Must use

BX

Pos: 030	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 9

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BX01	353		M	ID	2/2	Used

DoD Definition: [2-01] Transaction Set Purpose Code (DG 10)

<u>Code</u>	<u>Name</u>
00	DoD Definition: [2-01] Original
01	DoD Definition: [2-01] Cancellation
04	DoD Definition: [2-01] Change
14	DoD Definition: [2-01] Advance Notification
20	DoD Definition: [2-01] Final Transmission

BX02	91		M	ID	1/2	Used
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DoD Definition: [2-02] Transportation Method Code (Mode Code) (DG 10)

<u>Code</u>	<u>Name</u>
6	DoD Definition: [2-02] Military Official Mail
A	DoD Definition: [2-02] Air
B	DoD Definition: [2-02] Barge
D	DoD Definition: [2-02] Parcel Post
J	DoD Definition: [2-02] Motor Use 'J' to denote Motor, Truckload
L	DoD Definition: [2-02] Contract Carrier
R	DoD Definition: [2-02] Rail
U	DoD Definition: [2-02] Private Parcel Service Use 'U' to denote Package Express
W	DoD Definition: [2-02] Inland Waterway
X	DoD Definition:

Code	Name
	<i>[2-02] Intermodal (Piggyback) Use 'X' to denote Rail Intermodal Piggyback(TOFC/COFC)</i>
AE	DoD Definition: <i>[2-02] Air Express</i>
AF	DoD Definition: <i>[2-02] Air Freight</i>
AH	DoD Definition: <i>[2-02] Air Taxi</i>
BU	DoD Definition: <i>[2-02] Bus</i>
DA	DoD Definition: <i>[2-02] Driveaway Service</i>
DW	DoD Definition: <i>[2-02] Driveaway, Truckaway, Towaway</i>
ED	DoD Definition: <i>[2-02] European or Pacific Distribution System Use 'ED' to denote Air Mobility Command (AMC) Transportation Method/Type Code</i>
FA	DoD Definition: <i>[2-02] Air Freight Forwarder</i>
IP	DoD Definition: <i>[2-02] Intermodal (Personal Property)</i>
LA	DoD Definition: <i>[2-02] Logair Use 'LA' to denote Military Air</i>
LD	DoD Definition: <i>[2-02] Local Delivery</i>
LT	DoD Definition: <i>[2-02] Less Than Trailer Load (LTL) Use 'LT' to denote Motor, Less than Truckload</i>
MP	DoD Definition: <i>[2-02] Motor (Package Carrier)</i>
MS	DoD Definition: <i>[2-02] Military Sealift Command (MSC), Controlled, Contract, or Arranged Space</i>
PL	DoD Definition: <i>[2-02] Pipeline</i>
RO	DoD Definition: <i>[2-02] Ocean (Roll on - Roll off)</i>
SB	DoD Definition: <i>[2-02] Shipper Agent</i>
SC	DoD Definition: <i>[2-02] Shipper Agent (Truck)</i>
SD	DoD Definition: <i>[2-02] Shipper Association</i>
SF	DoD Definition: <i>[2-02] Surface Freight Forwarder</i>

Code Name

TA	DoD Definition: [2-02] Towaway Service
WP	DoD Definition: [2-02] Water or Pipeline Intermodal Movement

BX03 146 M ID 2/2 Used

DoD Definition: [2-03] Method of Payment (DG 10)
Use only 'TP' for ocean shipments only.

Code Name

CC	DoD Definition: [2-03] Collect
CD	DoD Definition: [2-03] Collect on Delivery
PP	DoD Definition: [2-03] Prepaid (by Seller)
TP	DoD Definition: [2-03] Third Party Pay

BX04 145 O AN 1/30 Must use

DoD Definition: [2-04] Bill of Lading/Shipment ID Number (DG 10)
Carry either original or most recent bill of lading number or shipment identification number here. For ocean shipments, use TCN as shipment identifier. Do not use any punctuation or special characters.

BX05 140 O ID 2/4 Must use

DoD Definition: [2-05] Transportation Company Tendered To (SCAC) (DG 10)
Use SCAC of origin carrier. SCAC should be validated against the National Motor Freight Traffic Association (NMFTA) SCAC reference file. For ocean shipments, enter 'NONE' if carrier is unknown. This entry represents the booked carrier for ocean shipments, not the carrier that actually transports the shipment. For Defense Transportation Coordination Initiative (DTCI) or Defense Freight Transportation Services (DFTS) shipments, enter the DTCI or DFTS coordinator's SCAC.
SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.

BX07 147 O ID 1/1 Must use

DoD Definition: [2-07] Bill Purpose/Application Type Code (DG 10)

Code Name

A	DoD Definition: [2-07] Sub for Assembly Use 'A' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Break-Bulk
B	DoD Definition: [2-07] Bill of Lading for Individual Shipment
C	DoD Definition: [2-07] Consolidated Shipment Use 'C' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Consolidation Header (Stand-Alone)
E	DoD Definition: [2-07] Empty Equipment Billing (Non-Revenue)

<u>Code</u>	<u>Name</u>
	Use 'E' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Container (Skeleton SI)
F	DoD Definition: [2-07] Stop-off Shipment Use 'F' to denote Negotiated Rates for Foreign Military Sales Bills of Lading
G	DoD Definition: [2-07] Switch Waybill Use 'G' to denote Negotiated Rates for Tailored Transportation Contract Traffic Bill of Lading
M	DoD Definition: [2-07] Master Bill of Lading for Assembly, Distribution and Volume Shipment Use 'M' to denote Commercial Rates for Foreign Military Sales Bills of Lading
Z	DoD Definition: [2-07] Commercial Zone Pick-up Use 'Z' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Container.

BX09 195 O ID 1/1 Used

DoD Definition: [2-09] Vehicle Fully Loaded (Capacity Load Status) (DG 10)
ELEMENT CONDITION: Include if shipment is tendered as truckload.

<u>Code</u>	<u>Name</u>
F	DoD Definition: [2-09] Full Capacity

BX10 160 O ID 1/1 Used

DoD Definition: [2-10] Defense Transportation Tracking System Reporting Qualifier (DG 10)
Use of this element results in immediate Military Surface Deployment and Distribution Command (SDDC) processing for DTTS shipments.
ELEMENT CONDITION: Include if the Defense Transportation Tracking System (DTTS) is required.

<u>Code</u>	<u>Name</u>
R	DoD Definition: [2-10] Automatic Status Report Requested

BX14 346 O ID 2/2 Used

DoD Definition: [2-14] Application Type (DG 10)
Use the following migration code value to denote the DoD definition as indicated:
ELEMENT CONDITION: Use when broker.

- Code Name**
- 21
 - 22
 - 23
 - 24
 - 25
 - 26
 - 27
 - 28
 - 29

Code Name

30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
AN
AT
BD
BF
BG
BH
BL
BN
BR
BT
CD
CF
CI
CL
CO
DL
DO
DT
EP
FA
FR
HR
IS
LB
LS
LT

DoD Definition:
[2-14] [Migration Code] Broker Files

Code Name

MF
PC
PI
PL
PP
PS
R1
R2
R3
R4
RD
RO
RP
RQ
RR
RS
S1
S2
SI
SL
SP
SS
T1
T2
T3
T4
TF
TG
TM
TQ
ZZ

DoD Segment Definition:

[2] BX SEGMENT - Bill of Lading Number (DG 10)

BNX

Pos: 040	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BNX01	460		O	ID	1/1	Must use

DoD Definition: [3-01] Shipment Weight Code (DG 10)

Code Name

A DoD Definition:
[3-01] Shipper's Weight Agreement

BNX03	11		O	ID	1/1	Must use
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DoD Definition: [3-03] Billing Code (DG 10)

Code Name

S DoD Definition:
[3-03] Single Shipment Billing

DoD Segment Definition:

[3] BNX SEGMENT - Shipment Weight and Billing (DG 10)
SEGMENT CONDITION: Use when weight and billing data are required.

N9

Pos: 060	Max: 30
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

Syntax Rules:

1. C0605 - If N906 is present, then N905 is required.
2. R0203 - At least one of N902 or N903 is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128		M	ID	2/3	Used

DoD Definition: [4-01] Transaction Content ID Qualifier (DG 10)
[5-01] Route Order/Release No/Emergency Routings Qualifier (DG 10)
[6-01] Carrier Way/Freight Bill Number Qualifier (DG 10)
[7-01] Authority Number (Contract/PO) Qualifier (DG 10)
[8-01] Service Agency Code Qualifier (DG 10)
[9-01] TCN for Each Container Qualifier (DG 10)
[10-01] Container Transportation Tracking Number (TTN) Qualifier (DG 10)
[11-01] Carrier Booking Number Qualifier (DG 10)
[12-01] Trade Route Number Qualifier (DG 10)
[13-01] Vessel Name Qualifier (DG 10)
[14-01] Carrier Voyage Number Qualifier (DG 10)
[15-01] 3rd Party Logistics (DTCI or DFTS) Internal Order Number Qualifier (DG 10)

<u>Code</u>	<u>Name</u>
18	DoD Definition: [10-01] Plan Number Use '18' to denote Container Transportation Tracking Number (TTN) Qualifier
BN	DoD Definition: [11-01] Booking Number
CB	DoD Definition: [15-01] Combined Shipment Use 'CB' to denote DTCL Coordinator Internal Order Number
CN	DoD Definition: [6-01] Carrier's Reference Number (PRO/Invoice)
CT	DoD Definition: [7-01] Contract Number
FI	DoD Definition: [4-01] File Identifier
PO	DoD Definition: [7-01] Purchase Order Number
RE	DoD Definition: [15-01] Release Number Use 'RE' to denote Defense Freight Transportation Services (DFTS) Internal Order Number
RG	DoD Definition:

[11] N9 SEGMENT - Carrier Booking Number (DG 10)

SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS - Direct Booking. Not used otherwise.

[12] N9 SEGMENT - Trade Route Number (DG 10)

SEGMENT CONDITION: Required for ocean shipments. Identifies the trade route a shipment was booked/moved on.

[13] N9 SEGMENT - Vessel Name (DG 10)

SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS - Direct Booking. Not used otherwise.

[14] N9 SEGMENT - Carrier Voyage Number (DG 10)

SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS.

[15] N9 SEGMENT - 3rd Party Logistics Coordinator Internal Order Number (DG 10)

SEGMENT CONDITION: Use for shipments with an internal order number assigned by a 3rd Party Logistics (DTCI or DFTS) coordinator's transportation management system and provided in the EDI Transportation Service Response transaction to the shipper.

Y7

Pos: 080	Max: 1
Heading - Optional	
Loop: N/A	Elements: 1

User Option (Usage): Used

Syntax Rules:

1. P0203 - If either Y702 or Y703 is present, then the other is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
Y701	467		O	N0	1/1	Must use

DoD Definition: [16-01] Transportation Priority Code (DG 10)

Code Name

1	DoD Definition: [16-01] Level 1
2	DoD Definition: [16-01] Level 2
3	DoD Definition: [16-01] Level 3

DoD Segment Definition:

[16] Y7 SEGMENT - Transportation Priority Code (DG 10)
 SEGMENT CONDITION: Use this segment if Military Standard Requisitioning and Issue Procedures (MILSTRIP) apply.

C3

Pos: 090	Max: 1
Heading - Optional	
Loop: N/A	Elements: 1

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
C301	100		M	ID	3/3	Used

DoD Definition: [17-01] Currency Code (DG 10)

SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.

DoD Segment Definition:

[17] C3 SEGMENT - Currency Code (DG 10)

SEGMENT CONDITION: This segment indicates the currency used for the bill of lading. The segment is not required and will not be used when currency is in U.S. Dollars.

G62

Pos: 110	Max: 10
Heading - Optional	
Loop: N/A	Elements: 5

User Option (Usage): Must use

Syntax Rules:

1. P0102 - If either G6201 or G6202 is present, then the other is required.
2. P0304 - If either G6203 or G6204 is present, then the other is required.
3. R0103 - At least one of G6201 or G6203 is required.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6201	432		X	ID	2/2	Must use

DoD Definition: [18-01] Date Bill of Lading/Shipping Instruction Prepared Date Qualifier (DG 10)

[19-01] Desired/Required Delivery Date Qualifier (DG 10)

This qualifier must appear if desired/required delivery date is used. Under applicable ocean contracts, the Contract Delivery Date will take precedence over the Required Delivery Date. Code '67' used only for 3rd Party Logistics (Defense Transportation Coordination Initiative (DTCI) or Defense Freight Transportation Services (DFTS)) shipments.

[20-01] Carrier's Pickup Date Qualifier (DG 10)

SDDC will accept only code value '86' from shippers.

[21-01] Date Shipped to POE Qualifier (DG 10)

[22-01] Adjusted Date Shipped to POE Qualifier (DG 10)

[23-01] Date of Delivery Qualifier (DG 10)

[24-01] Sailing Date Qualifier (DG 10)

Code Name

05	DoD Definition: [24-01] Sailing Date
10	DoD Definition: [21-01] Requested Ship Date/Pick-up Date
35	DoD Definition: [23-01] Delivered on This Date
54	DoD Definition: [19-01] Deliver No Later Than Date Use '54' to denote Required Delivery Date
67	DoD Definition: [19-01] Delivered By This Date Use '67' to denote Mandatory Delivery Date
68	DoD Definition: [19-01] Requested Delivery Date Use '68' to denote Desired Delivery Date
76	DoD Definition: [18-01] Bill of Lading
86	DoD Definition: [20-01] Actual Pickup Date
BB	DoD Definition:

Code Name

[22-01] Transaction Control Date

G6202 373 X DT 8/8 Must use

DoD Definition: [18-02] Date Bill of Lading/Shipping Instruction Prepared Date (DG 10)

The date on which the bill of lading was printed at the origin installation.

[19-02] Desired/Required Delivery Date (DG 10)

[20-02] Carrier's Pickup Date (DG 10)

[21-02] Date Shipped to POE (DG 10)

[22-02] Adjusted Date Shipped to POE (DG 10)

[23-02] Date of Delivery (DG 10)

[24-02] Sailing Date (DG 10)

G6203 176 X ID 1/2 Must use

DoD Definition: [20-03] Carrier's Pickup Time Qualifier (DG 10)

ELEMENT CONDITION: This element is required for Defense Transportation Tracking System (DTTS) shipments.

[22-03] Adjusted Time Shipped to POE Qualifier (DG 10)

Code Name

8 **DoD Definition:**

[20-03] Actual Pickup Time

W **DoD Definition:**

[22-03] Effective Time

G6204 337 X TM 4/8 Must use

DoD Definition: [20-04] Carrier's Pickup Time (DG 10)

Use format HHMM.

ELEMENT CONDITION: This element is required for DTTS shipments.

[22-04] Adjusted Time Shipped to POE (DG 10)

Use format HHMMSS.

G6205 623 O ID 2/2 Must use

DoD Definition: [20-05] Time Zone Indicator (DG 10)

If DTTS shipment, this segment occurs twice; once with code value 'LT' for local time and once with 'GM' for Greenwich time. If shipment is other than DTTS, use 'LT' local time only. Repeat G6201 and G6202 for both occurrences of the segment.

SOURCE: ISO 8601 available from American National Standards Institute

[22-05] Adjusted Time Code (DG 10)

SOURCE: ISO 8601 available from American National Standards Institute

Code Name

GM **DoD Definition:**

[20-05] Greenwich Mean Time

LT **DoD Definition:**

[20-05] Local Time

[22-05] Local Time

DoD Segment Definition:

[18] G62 SEGMENT - Bill of Lading/Shipping Instruction Prepared Date (DG 10)

[19] G62 SEGMENT - Desired/Required Delivery (DG 10)

[20] G62 SEGMENT - Carrier's Pickup (DG 10)

SEGMENT CONDITION: Not required for ocean shipments. Required for all other shipment information transactions except advanced shipment notification.

[21] G62 SEGMENT - Date Shipped to POE (DG 10)

SEGMENT CONDITION: Use only for ocean shipments.

[22] G62 SEGMENT - Adjusted Date Shipped to POE (DG 10)

SEGMENT CONDITION: Use only for ocean shipment.

[23] G62 SEGMENT - Delivery (DG 10)

SEGMENT CONDITION: Use segment when date of delivery is available.

[24] G62 SEGMENT - Sailing Date (DG 10)

SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.

PER

Pos: 120	Max: 3
Heading - Optional	
Loop: N/A	Elements: 4

User Option (Usage): Used

Syntax Rules:

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366		M	ID	2/2	Used

DoD Definition: [25-01] Shipment Contact Qualifier (DG 10)
 [26-01] Emergency Response Telephone No. Function Code (DG 10)

<u>Code</u>	<u>Name</u>
EF	DoD Definition: [26-01] Emergency Contact-Military Traffic Management Command (MTMC) Use 'EF' to denote Emergency Contact - Military Surface Deployment and Distribution Command (SDDC)
IC	DoD Definition: [25-01] Information Contact

PER02	93		O	AN	1/60	Must use
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DoD Definition: [26-02] Contact Name (DG 10)

PER03	365		X	ID	2/2	Must use
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DoD Definition: [25-03] Shipment Contact Qualifier (DG 10)
 [26-03] Emergency Response Telephone No. Qualifier (DG 10)

<u>Code</u>	<u>Name</u>
AU	DoD Definition: [25-03] Defense Switched Network [26-03] Defense Switched Network
FT	DoD Definition: [25-03] Federal Telecommunications System (FTS)
IT	DoD Definition: [26-03] International Telephone
TE	DoD Definition: [25-03] Telephone [26-03] Telephone

PER04	364		X	AN	1/80	Must use
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DoD Definition: [25-04] Shipment Contact Telephone No. (DG 10)
 Telephone number of shipment POC.
 [26-04] Emergency Response Telephone No. (DG 10)

DoD Segment Definition:

[25] PER SEGMENT - Shipment Contact (DG 10)

SEGMENT CONDITION: Use segment when telephone contact may be required with person receiving shipment.

[26] PER SEGMENT - Emergency Response Telephone No. (DG 10)

SEGMENT CONDITION: Use segment when shipment requires an emergency telephone contact.

F9

Pos: 140	Max: 1
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
F902	19		M	AN	2/30	Used

DoD Definition: [27-02] Originating Railroad Station (DG 72)

Name of railroad station where shipment originated.

F903	156		M	ID	2/2	Used
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DoD Definition: [27-03] State of Originating Railroad Station (DG 72)

SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center

F908	154		O	ID	6/9	Used
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DoD Definition: [27-08] SPLC of Originating Railroad Station (DG 72)

SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc.

DoD Segment Definition:

[27] F9 SEGMENT - Originating Railroad Station (DG 72)

SEGMENT CONDITION: Use to designate origination railroad station as applicable.

D9

Pos: 150	Max: 1
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
D902	19		M	AN	2/30	Used

DoD Definition: [28-02] Destination Railroad Station (DG 71)

Name of railroad station where shipment will terminate.

D903	156		M	ID	2/2	Used
------	-----	--	---	----	-----	------

DoD Definition: [28-03] State of Destination Railroad Station (DG 71)

SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service
National Information Data Center

D908	154		O	ID	6/9	Used
------	-----	--	---	----	-----	------

DoD Definition: [28-08] SPLC of Destination Railroad Station (DG 71)

SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from
National Motor Freight Traffic Association, Inc.

DoD Segment Definition:

[28] D9 SEGMENT - Destination Railroad Station (DG 71)

SEGMENT CONDITION: Use to designate destination railroad station as applicable.

R2

Pos: 170	Max: 13
Heading - Optional	
Loop: N/A	Elements: 4

User Option (Usage): Used

Syntax Rules:

1. C0807 - If R208 is present, then R207 is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
R201	140		M	ID	2/4	Used

DoD Definition: [29-01] Via (Routing) SCAC (DG 10)
 For non-3PL coordinated shipments (DTCL or DFTS) enter SCAC of interline and destination carrier(s) in sequence after origin carrier. The origin carrier should not be included in an interline list. For 3PL coordinated shipments (DTCL or DFTS), enter the SCAC of the carrier to whom the 3PL coordinator assigned the shipment.
 SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.

R202	133		M	ID	1/2	Used
------	-----	--	---	----	-----	------

DoD Definition: [29-02] Via (Routing) SCAC Qualifier (DG 10)
 Use 'B' for 3PL shipments (DTCL or DFTS) to indicate the carrier the 3PL coordinator assigned to the shipment.

Code Name

1	DoD Definition: [29-02] 1st Carrier after Origin Carrier
2	DoD Definition: [29-02] 2nd Carrier after Origin Carrier
3	DoD Definition: [29-02] 3rd Carrier after Origin Carrier
4	DoD Definition: [29-02] 4th Carrier after Origin Carrier
5	DoD Definition: [29-02] 5th Carrier after Origin Carrier
A	DoD Definition: [29-02] Origin Carrier, Agent's Routing (Rail)
B	DoD Definition: [29-02] Origin/Delivery Carrier (Any Mode)
D	DoD Definition: [29-02] DELY (Delivery Switch Carrier)
H	DoD Definition: [29-02] Haulage Rights Carrier and Junction
I	DoD Definition: [29-02] Origin Switch Carrier
M	DoD Definition: [29-02] Haulage Movement Carrier and Junction

Code	Name
O	DoD Definition: [29-02] Origin Carrier (Air, Motor, or Ocean)
R	DoD Definition: [29-02] Origin Carrier, Rule 11 Shipment
S	DoD Definition: [29-02] Origin Carrier, Shipper's Routing (Rail)
V	DoD Definition: [29-02] Intermediate Switch Carrier
Z	DoD Definition: [29-02] Mutually Defined

R203	19		O	AN	2/30	Used
------	----	--	---	----	------	------

DoD Definition: [29-03] Via (Routing) Location (DG 10)

R204	154		O	ID	6/9	Used
------	-----	--	---	----	-----	------

DoD Definition: [29-04] Via (Routing) SPLC (DG 10)

SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc.

DoD Segment Definition:

[29] R2 SEGMENT - Interline or 3PL Carrier (DG 10)
 SEGMENT CONDITION: For non-3PL coordinated shipments (Defense Transportation Coordination Initiative (DTCI) or Defense Freight Transportation Services (DFTS)) use this segment if interline carriers are used during shipment. However, shipper systems are not required to provide Interline Carrier Routing information for rail movements. For 3PL shipments (DTCI or DFTS), use this segment to identify the carrier to whom the 3PL coordinator has assigned the shipment.

R4

Pos: 180	Max: 5
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

Syntax Rules:

1. P0203 - If either R402 or R403 is present, then the other is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
R401	115		M	ID	1/1	Used

DoD Definition: [30-01] Port or Terminal Function Code (DG 10)

[31-01] Port or Terminal Function Code (DG 10)

Code Name

D **DoD Definition:**

[31-01] Port of Discharge (Operational)

L **DoD Definition:**

[30-01] Port of Loading (Operational)

R402	309		X	ID	1/2	Must use
------	-----	--	---	----	-----	----------

DoD Definition: [30-02] Location Qualifier (DG 10)

SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)

[31-02] Location Qualifier (DG 10)

SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)

Code Name

IM **DoD Definition:**

[30-02] Military Standard Movement Procedures (MILSTAMP)

[31-02] Military Standard Movement Procedures (MILSTAMP)

R403	310		X	AN	1/30	Used
------	-----	--	---	----	------	------

DoD Definition: [30-03] POE (DG 10)

[31-03] POD (DG 10)

DoD Segment Definition:

[30] R4 SEGMENT - POE (DG 10)

SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.

[31] R4 SEGMENT - POD (DG 10)

SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.

H3

Pos: 200	Max: 20
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Syntax Rules:

1. E0102 - Only one of H301 or H302 may be present.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
H301	152		X	ID	2/3	Must use

DoD Definition: [32-01] Accessorial/Protective Service Ordered Identifier (DG 10)
 Order accessorial services with this data element. To order accessorial services, the carrier industry requires the use of the H3 segment. This code also appears in the HL Accessorial/Protective Service (formerly LX 300) loop which is used to cost accessorial services. Do not use this element to order surveillance services; use the next occurrence of the H3 segment.

See Section 6.0 for valid code list.

SOURCE: Reference Section 6.0 of this IC beginning at page 6.14 for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments, Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.

Sample Values:
 003,015,020,045,495,500,535,593,665,670,AAM,AAS,AAT,DOC,HMA,HMI,MSG,PDY,PUC,Z01,Z04,Z08

All valid standard codes are used.

H302	153		X	AN	2/30	Must use
------	-----	--	---	----	------	----------

DoD Definition: [33-02] Actual Surveillance Service and Requesting Party (DG 10)
 Use this data element for requesting Surveillance Services only. See H301 for the applicable code values to enter in this data element. Do not use this data element to order accessorial services. Rather, use the H301 data element in a separate occurrence of the H3 segment for non-surveillance services. Provide the military service code to indicate the requesting party. Military service codes are: A = Army, N = Navy, F = Air Force, M = Marine Corps, P = Coast guard, and S = Defense Logistics Agency. Use a comma for the sub element delimiter between the actual service code and the requesting party.

DoD Segment Definition:

[32] H3 SEGMENT - Accessorial/Protective Service (DG 10)
 SEGMENT CONDITION: Use if shipper orders accessorial services from the carrier. Use also if the Defense Transportation Tracking System (DTTS) is required.

[33] H3 SEGMENT - Actual Surveillance Service and Requesting Party (DG 10)
 SEGMENT CONDITION: Use this segment when ordering surveillance services.

Loop

Pos: 220	Repeat: 2
Optional	
Loop: E1	Elements: N/A

User Option (Usage): Used

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
220	E1		O	1		Used
230	E4		O	1		Used
240	E5		O	13		Used

E1

Pos: 220	Max: 1
Heading - Optional	
Loop: E1	Elements: 1

User Option (Usage): Used

Syntax Rules:

1. P0203 - If either E102 or E103 is present, then the other is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
E101	459		M	AN	2/30	Used

DoD Definition: [34-01] Name of Receiving Party For Empty Railcar (DG 10)
 From the bill of lading continuation page.

DoD Segment Definition:

[34] E1 SEGMENT - Receiving Party For Empty Railcar (DG 10)
 LOOP CONDITION: Use when shipment employs an empty railcar.

E4

Pos: 230	Max: 1
Heading - Optional	
Loop: E1	Elements: 2

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
E401	19		M	AN	2/30	Used

DoD Definition: [35-01] City for Receiving Empty Railcar (DG 10)

From the bill of lading continuation page.

E402	156		M	ID	2/2	Used
------	-----	--	---	----	-----	------

DoD Definition: [35-02] State for Receiving Empty Railcar (DG 10)

From the bill of lading continuation page.

SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center

DoD Segment Definition:

[35] E4 SEGMENT - City for Receiving Empty Railcar (DG 10)

SEGMENT CONDITION: Use when shipment employs an empty railcar.

E5

Pos: 240	Max: 13
Heading - Optional	
Loop: E1	Elements: 2

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
E501	140		M	ID	2/4	Used

DoD Definition: [36-01] Routing SCAC for Empty Railcar (DG 10)
 From the bill of lading continuation page.
 SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.

E502	133		M	ID	1/2	Used
------	-----	--	---	----	-----	------

DoD Definition: [36-02] Routing SCAC Sequence Number (DG 10)
 From the bill of lading continuation page.

Code	Name
1	DoD Definition: [36-02] 1st Carrier after Origin Carrier
2	DoD Definition: [36-02] 2nd Carrier after Origin Carrier
3	DoD Definition: [36-02] 3rd Carrier after Origin Carrier
4	DoD Definition: [36-02] 4th Carrier after Origin Carrier
5	DoD Definition: [36-02] 5th Carrier after Origin Carrier

DoD Segment Definition:

[36] E5 SEGMENT - Routing SCAC (DG 10)
 SEGMENT CONDITION: Use if SCAC is applicable.

L7

Pos: 270	Max: 30
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L713	294		O	N0	1/5	Must use

DoD Definition: [37-13] Tariff Distance (mileage) (DG 10)

Mileage used for rating shipment.

L714	295		O	ID	1/1	Must use
------	-----	--	---	----	-----	----------

DoD Definition: [37-14] Distance (mileage) Qualifier (DG 10)

Code Name

M **DoD Definition:**

[37-14] Miles (Actual)

Use 'M' to denote CONUS mileage (used for ocean shipments only)

T **DoD Definition:**

[37-14] Tariff Miles

Use 'T' to denote OCONUS mileage

DoD Segment Definition:

[37] L7 SEGMENT - Tariff Distance (DG 10)

SEGMENT CONDITION: Required for all modes except ocean. When used, there are different rules for CONUS and OCONUS mileages. This segment may be repeated up to two times (one for CONUS, the other for OCONUS).

NTE

Pos: 280	Max: 50
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NTE01	363		O	ID	3/3	Must use

DoD Definition: [38-01] Change Notice Qualifier (DG 10)
 [39-01] Routing Instruction Note (RIN) Code Qualifier (DG 10)
 [40-01] Load Use Qualifier (DG 10)
 [41-01] DoD Classification Instructions Qualifier (DG 10)
 Use to denote the highest security classification of an item within the shipment (i.e. the highest classified Controlled Inventory Item Code (CIIC) within the shipment).
 [42-01] Shipper Instructions Code (DG 10)

Code Name

ADD	DoD Definition: [42-01] Additional Information Use 'ADD' to denote Shipper Instructions to the Consignee or to the Carrier
CHG	DoD Definition: [38-01] Change
CLR	DoD Definition: [41-01] Security Clearance Instructions Use 'CLR' to denote Emergency Contact - Military Surface Deployment and Distribution Command (SDDC)
INT	DoD Definition: [39-01] General Order Instructions
LOI	DoD Definition: [40-01] Loading Instructions

NTE02	352		M	AN	1/80	Used
-------	-----	--	---	----	------	------

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

Code Name

C	DoD Definition: [41-02] Confidential
S	DoD Definition: [41-02] Secret

<u>Code</u>	<u>Name</u>
U	DoD Definition: [41-02] Unclassified
EXCLUSIV E	DoD Definition: [40-02]
NONEXCL USIVE	DoD Definition: [40-02]

DoD Segment Definition:

[38] NTE SEGMENT - Change Notice (DG 10)
 SEGMENT CONDITION: Use when Change Notice applies.

[39] NTE SEGMENT - Routing Instruction Note (DG 10)
 SEGMENT CONDITION: Use when routing instruction note applies.

[40] NTE SEGMENT - Load Use (DG 10)
 SEGMENT CONDITION: Use for Defense Transportation Tracking System (DTTS) shipments.

[41] NTE SEGMENT - DoD Classification Instructions (DG 10)
 SEGMENT CONDITION: Use for Defense Transportation Tracking System (DTTS) shipments.

[42] NTE SEGMENT - Shipper Instructions (DG 10)
 SEGMENT CONDITION: Use when additional shipper instructions apply for ocean shipments.

Loop

Pos: 330 Repeat: 600
 Optional
 Loop: N7 Elements: N/A

User Option (Usage): Used

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
330	N7		O	1		Used
331	EM		O	1		Used
335	NA		O	30		Used
340	M7		O	5		Used
350	N5		O	1		Used
360	REF		O	5		Used

N7

Pos: 330	Max: 1
Heading - Optional	
Loop: N7	Elements: 9

User Option (Usage): Used

Syntax Rules:

1. P0304 - If either N703 or N704 is present, then the other is required.
2. P0516 - If either N705 or N716 is present, then the other is required.
3. P0809 - If either N708 or N709 is present, then the other is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N701	206		O	AN	1/4	Used

DoD Definition: [43-01] Primary Equipment Initials (DG 60)
 For rail shipments, this data element is MANDATORY; it carries the equipment prefix used to describe railcars, trailers, and containers.
 For motor and air shipments, if the value in N702 is other than 'NONE', or the equipment initials are not available, use the SCAC. Primary equipment is that equipment ordered by the shipper from the carrier. That equipment type ordered, or its equivalent, is furnished by the carrier and used in the transportation of the shipment. The shipper pays only for the primary equipment ordered.
 For ocean shipments, use the initials on the container (never the carrier SCAC).
 ELEMENT CONDITION: For rail shipments, this data element is MANDATORY; it carries the equipment prefix used to describe railcars, trailers, and containers.
 SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association

N702	207		M	AN	1/10	Used
------	-----	--	---	----	------	------

DoD Definition: [43-02] Primary Equipment Numbers (DG 60)
 For rail shipments, this data element carries the serial number of the railcars, trailers, and containers. For motor and air shipments, if specific equipment is not ordered, carry the word 'NONE' in this data element.

N703	81		X	R	1/10	Used
------	----	--	---	---	------	------

DoD Definition: [43-03] Weight Capacity Primary Equipment Furnished (DG 60)
 Express in 1000 LB units. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.

N704	187		X	ID	1/2	Used
------	-----	--	---	----	-----	------

DoD Definition: [43-04] Weight Capacity Primary Equipment Furnished Qualifier (DG 60)
 ELEMENT CONDITION: Required if N705 is used.

<u>Code</u>	<u>Name</u>
N	DoD Definition: [43-04] Actual Net Weight

N708	183		X	R	1/8	Used
------	-----	--	---	---	-----	------

DoD Definition: [43-08] Cube Capacity Primary Equipment Furnished (DG 60)
 ELEMENT CONDITION: Include if the carrier provides equipment different than that which was ordered, or if reporting the internal cube of a container.

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N709	184		X	ID	1/1	Used

DoD Definition: [43-09] Cube Capacity Primary Equipment Furnished Qualifier (DG 60)
ELEMENT CONDITION: This qualifier must appear if cube capacity carrier equipment furnished is used.

Code Name

E **DoD Definition:**
 [43-09] Cubic Feet

N713	319		O	AN	3/6	Used
------	-----	--	---	----	-----	------

DoD Definition: [43-13] Temperature Control (DG 60)
Use to specify temperature setting for reefer shipments. For ocean shipments indicate minimum and maximum temperature.

N715	567		O	N0	4/5	Used
------	-----	--	---	----	-----	------

DoD Definition: [43-15] Length Capacity Primary Equipment Furnished (DG 60)
ELEMENT CONDITION: Include if the carrier provides equipment different than that which was ordered.

N722	24		O	ID	4/4	Must use
------	----	--	---	----	-----	----------

DoD Definition: [43-22] Type of Equipment Furnished (DG 60)
Left justify the code and fill to the right with the lower case 'x' until a length of four characters is attained.
SOURCE: Reference Section 6.0 of this IC for code values using applicable Air, Containers, Motor and TOFC (Dimensions are Outside Dimensions), Other Methods, Rail, and Water tables.
Sample Values:
 A18,AQ0,AQ3,AQ4,AQ5,AQ6,AQ7,AQ8,AQ9,AW0,AW2,AW3,AW4,AW5,AW6,AW7,AW8,A
 W9,AX0,AX2,AX3,AX4,AX5,AX6,AX7,AX8,AX9,QQ,QU,SS,TT

DoD Segment Definition:

[43] N7 SEGMENT - Primary Equipment Furnished (DG 60)
Use as many N7 loops as required to identify equipment furnished.
LOOP CONDITION: For ocean shipments, this information is needed to facilitate Customs clearance. If the bill of lading is for movements using motor, rail, or bulk fuel conveyances, DG 60 must appear.

EM

Pos: 331	Max: 1
Heading - Optional	
Loop: N7	Elements: 1

User Option (Usage): Used

Syntax Rules:

1. C0201 - If EM02 is present, then EM01 is required.
2. C0403 - If EM04 is present, then EM03 is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
EM07	373		O	DT	8/8	Must use

DoD Definition: [44-07] Date (DG 60)

Enter date that equipment was furnished for the current N7 loop.

DoD Segment Definition:

[44] EM SEGMENT - Date Primary Equipment Furnished (DG 60)

SEGMENT CONDITION: Use if equipment was furnished (for the current N7 loop).

NA

Pos: 335	Max: 30
Heading - Optional	
Loop: N7	Elements: 3

User Option (Usage): Used

Syntax Rules:

1. C0102 - If NA01 is present, then NA02 is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
NA03	206		M	AN	1/4	Used

DoD Definition: [45-03] Secondary Equipment Initials (DG 60)
 For rail Trailer on Flatcar/Container on Flatcar (TOFC/COFC) shipments, this data element carries the equipment initials of the flatcar used to convey the trailer/container (primary equipment ordered). When the shipper orders a trailer/container, the carrier supplies a flatcar to convey the trailer/container (primary equipment). The trailer is considered secondary equipment. The shipper incurs no cost for the use of secondary equipment.
 SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association

NA04	207		M	AN	1/10	Used
------	-----	--	---	----	------	------

DoD Definition: [45-04] Secondary Equipment Numbers (DG 60)
 For rail Trailer on Flatcar/Container on Flatcar (TOFC/COFC) shipments, this data element carries the equipment serial number of the flatcar used to convey the trailer/container (primary equipment ordered). When the shipper orders a trailer/container, the carrier supplies a flatcar to convey the trailer/container (primary equipment). The trailer is considered secondary equipment. The shipper incurs no cost for the use of secondary equipment. If a number is not available, send value 'xxxx' per shipper's instructions.

NA05	231		O	ID	1/1	Used
------	-----	--	---	----	-----	------

DoD Definition: [45-05] Cross Reference Type Code (DG 60)
 ELEMENT CONDITION: Use to further identify secondary equipment when shipment is by rail.

<u>Code</u>	<u>Name</u>
F	DoD Definition: [45-05] Conveying Flat Car

DoD Segment Definition:

[45] NA SEGMENT - Secondary Equipment Furnished (DG 60)
 SEGMENT CONDITION: Required if use of secondary equipment applies.

M7

Pos: 340	Max: 5
Heading - Optional	
Loop: N7	Elements: 5

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
M701	225		M	AN	2/15	Used
DoD Definition: [46-01] Seal Number (DG 60)						
Additional seal numbers should be carried in M702, M703, and M704.						
M702	225		O	AN	2/15	Used
DoD Definition: [46-02] Additional Seal Number (DG 60)						
M703	225		O	AN	2/15	Used
DoD Definition: [46-03] Additional Seal Number (DG 60)						
M704	225		O	AN	2/15	Used
DoD Definition: [46-04] Additional Seal Number (DG 60)						
M705	98		O	ID	2/3	Must use

DoD Definition: [46-05] Seal Numbers Applied By Qualifier (DG 60)

Code Name

CA	DoD Definition: [46-05] Carrier
SH	DoD Definition: [46-05] Shipper

DoD Segment Definition:

[46] M7 SEGMENT - Seals (DG 60)
 SEGMENT CONDITION: Required if seals are applied to the primary equipment.

N5

Pos: 350	Max: 1
Heading - Optional	
Loop: N7	Elements: 4

User Option (Usage): Used

Syntax Rules:

1. P0708 - If either N507 or N508 is present, then the other is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N501	567		O	N0	4/5	Used
DoD Definition: [47-01] Length Capacity Primary Equipment Ordered (DG 60)						
Format is FFFII where 8000 is 80 ft.						
N502	233		O	N0	2/3	Used
DoD Definition: [47-02] Weight Capacity Primary Equipment Ordered (DG 60)						
N503	203		O	N0	2/4	Used
DoD Definition: [47-03] Cubic Capacity Primary Equipment Ordered (DG 60)						
N504	301		O	ID	1/4	Must use
DoD Definition: [47-04] Type of Equipment Ordered (DG 60)						
SOURCE: Reference Section 6.0 of this IC for code values using applicable Air, Containers, Motor and TOFC (Dimensions are Outside Dimensions), Other Methods, Rail, and Water tables. Codes utilized for this data element are DOD Equipment Type codes, and should not be confused with Car Type codes from the Association of American Railroads (AAR).						
Sample Values: A18,AQ0,AQ3,AQ4,AQ5,AQ6,AQ7,AQ8,AQ9,AW0,AW2,AW3,AW4,AW5,AW6,AW7,AW8,AW9,AX0,AX2,AX3,AX4,AX5,AX6,AX7,AX8,AX9,QQ,QU,SS,TT						

DoD Segment Definition:

[47] N5 SEGMENT - Primary Equipment Ordered (DG 60)
 SEGMENT CONDITION: Required if primary equipment was ordered.

REF

Pos: 360	Max: 5
Heading - Optional	
Loop: N7	Elements: 2

User Option (Usage): Used

Syntax Rules:

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128		M	ID	2/3	Used

DoD Definition: [48-01] Tractor Number Qualifier (DG 60)

Code Name

EQ **DoD Definition:**
[48-01] Equipment Number

REF02	127		X	AN	1/30	Must use
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DoD Definition: [48-02] Tractor Number (DG 60)

The tractor number carried in this data element is the power unit for the trailer described in the N7 segment of the same equipment loop. This data element is required only for tracking shipments monitored by DTTS.

DoD Segment Definition:

[48] REF SEGMENT - Tractor Number (DG 60)

SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.

Loop

Pos: 390 Repeat: 12
 Optional
 Loop: N1 Elements: N/A

User Option (Usage): Must use

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
390	N1		O	1		Must use
400	N2		O	2		Used
410	N3		O	2		Used
420	N4		O	1		Used
440	PER		O	3		Used

N1

Pos: 390	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Must use

Syntax Rules:

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98		M	ID	2/3	Used

DoD Definition: [49-01] Transportation Company Tendered To (CA) Qualifier (DG 70)

[51-01] Destination Name (ST) Qualifier (DG 71)

This qualifier identifies name and address information of the carrier's delivery location.

[56-01] Origin Name (SF) Qualifier (DG 72)

This qualifier identifies the name and address information of the carrier's pickup location.

[61-01] Consignee (CN) Name Qualifier (DG 73)

This qualifier identifies the installation transportation office responsible for the shipment at the final destination.

[65-01] Shipper Name (SH) Qualifier (DG 74)

This qualifier identifies the installation transportation office responsible for the shipment at origin.

[69-01] Diversion/Reconsignment (TT) To Qualifier (DG 75)

Location that shipment is diverted/reconsigned to.

[71-01] Diversion/Reconsignment (T4) From Qualifier (DG 76)

[73-01] Bill Charges To (PO) Qualifier (DG 77)

[77-01] Issuing Office (IU) Name Qualifier (DG 78)

[82-01] FOB Point (KX) Qualifier (DG 79)

Code Name

CA **DoD Definition:**

[49-01] Carrier

CN **DoD Definition:**

[61-01] Consignee

IU **DoD Definition:**

[77-01] Issuer

KX **DoD Definition:**

[82-01] Free on Board Point

PO **DoD Definition:**

[73-01] Party to Receive Invoice for Goods or Services

SF **DoD Definition:**

[56-01] Ship From

SH **DoD Definition:**

[65-01] Shipper

ST **DoD Definition:**

[51-01] Ship To

Code Name

T4	DoD Definition: [71-01] Transfer Point
TT	DoD Definition: [69-01] Transfer To

N102 93 X AN 1/60 Must use

DoD Definition: [49-02] Transportation Company Tendered To Name (CA) (DG 70)	
[51-02] Destination Name (ST) (DG 71)	
[56-02] Origin Name (SF) (DG 72)	
ELEMENT CONDITION: If issuing GBLOC is unavailable (N406='1001') or origin DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the origin is required.	
[61-02] Consignee Name (CN) (DG 73)	
ELEMENT CONDITION: If consignee GBLOC is unavailable (N406='1001') or consignee DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the consignee is required.	
[65-02] Shipper Name (SH) (DG 74)	
ELEMENT CONDITION: If shipper DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the shipper is required.	
[69-02] Diversion/Reconsignment (TT) To City (DG 75)	
Carry the city name that pertains to the SPLC.	
[71-02] Diversion/Reconsignment (T4) From (DG 76)	
Location that shipment was diverted/reconsigned from. Carry the city name that pertains to the SPLC.	
[73-02] Bill Charges To (PO) (DG 77)	
[77-02] Issuing Office (IU) Name (DG 78)	
[82-02] FOB Point (KX) (DG 79)	
Carry actual FOB point name in this data element.	

N103 66 X ID 1/2 Must use

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

Code Name

10	DoD Definition: [51-03] Department of Defense Activity Address Code (DODAAC) [56-03] Department of Defense Activity Address Code (DODAAC) [61-03] Department of Defense Activity Address Code (DODAAC) [65-03] Department of Defense Activity Address Code (DODAAC) [73-03] Department of Defense Activity Address Code (DODAAC)
33	DoD Definition:

Code Name

[51-03] Commercial and Government Entity (CAGE)
 [56-03] Commercial and Government Entity (CAGE)
 [61-03] Commercial and Government Entity (CAGE)
 [65-03] Commercial and Government Entity (CAGE)
 [73-03] Commercial and Government Entity (CAGE)

A2 DoD Definition:

[51-03] Military Assistance Program Address Code (MAPAC)
 [56-03] Military Assistance Program Address Code (MAPAC)
 [61-03] Military Assistance Program Address Code (MAPAC)
 [65-03] Military Assistance Program Address Code (MAPAC)
 [73-03] Military Assistance Program Address Code (MAPAC)

N104 67 X AN 2/80 Must use

DoD Definition: [51-04] Destination DoDAAC/CAGE/MAPAC (DG 71)

If DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the destination is required.

[56-04] Origin DoDAAC/CAGE/MAPAC (DG 72)

If origin DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the origin is required in N102.

[61-04] Consignee DoDAAC/CAGE/MAPAC (DG 73)

If DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the consignee is required in N102.

[65-04] Shipper DoDAAC/CAGE/MAPAC (SH) (DG 74)

If shipper DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the shipper is required.

[73-04] Bill Charges To (PO) DoDAAC/CAGE/MAPAC (DG 77)

DoD Segment Definition:

[49] N1 SEGMENT - Transportation Company Tendered To (CA) (DG 70)
 LOOP CONDITION: DG 70 is required if the Defense Transportation Tracking System (DTTS) is required.
 [51] N1 SEGMENT - Destination (ST) (DG 71)
 [56] N1 SEGMENT - Origin (SF) (DG 72)
 [61] N1 SEGMENT - Consignee (CN) (DG 73)
 [65] N1 SEGMENT - Shipper (SH) (DG 74)
 [69] N1 SEGMENT - Diversion/Reconsignment To (TT) (DG 75)
 LOOP CONDITION: Required if shipment requires diversion/reconsignment destination.
 [71] N1 SEGMENT - Diversion/Reconsignment From (T4) (DG 76)
 LOOP CONDITION: DG 76 required if shipment requires diversion/reconsignment destination.
 [73] N1 SEGMENT - Bill Charges To (PO) (DG 77)
 [77] N1 SEGMENT - Issuing Office (IU) (DG 78)
 [82] N1 SEGMENT - FOB Point (KX) (DG 79)
 LOOP CONDITION: Use if FOB point applies.

N2

Pos: 400	Max: 2
Heading - Optional	
Loop: N1	Elements: 1

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N201	93		M	AN	1/60	Used

- DoD Definition:** [52-01] Additional Name (ST) (DG 71)
- [57-01] Additional Name (SF) (DG 72)
- [62-01] Additional Name (CN) (DG 73)
- [66-01] Additional Name (SH) (DG 74)
- [74-01] Additional Name (PO) (DG 77)
- [78-01] Additional Name (IU) (DG 78)

DoD Segment Definition:

- [52] N2 SEGMENT - Destination (ST) (DG 71)
SEGMENT CONDITION: Use if additional destination name applies.
- [57] N2 SEGMENT - Origin (SF) (DG 72)
SEGMENT CONDITION: Use if origin additional name applies.
- [62] N2 SEGMENT - Consignee (CN) (DG 73)
SEGMENT CONDITION: Use if consignee additional name applies.
- [66] N2 SEGMENT - Shipper (SH) (DG 74)
SEGMENT CONDITION: Use if shipper additional name applies.
- [74] N2 SEGMENT - Bill Charges To (PO) (DG 77)
SEGMENT CONDITION: Use if additional name is required for party to whom charges are billed. If available provide additional name to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC.
- [78] N2 SEGMENT - Issuing Office (IU) (DG 78)
SEGMENT CONDITION: Use if additional name is required for issuing office.

N3

Pos: 410	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166		M	AN	1/55	Used

- DoD Definition:** [53-01] Street (ST) (DG 71)
- [58-01] Street (SF) (DG 72)
- [63-01] Street (CN) (DG 73)
- [67-01] Street (SH) (DG 74)
- [75-01] Street (PO) (DG 77)
- [79-01] Street (IU) (DG 78)

N302	166		O	AN	1/55	Used
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- DoD Definition:** [53-02] Additional Addressing Information (DG 71)
- [58-02] Additional Addressing Information (DG 72)
- [63-02] Additional Addressing Information (DG 73)
- [67-02] Additional Addressing Information (DG 74)
- [75-02] Additional Addressing Information (DG 77)
- [79-02] Additional Addressing Information (DG 78)

DoD Segment Definition:

- [53] N3 SEGMENT - Destination (ST) (DG 71)
SEGMENT CONDITION: Use if destination street address applies.
- [58] N3 SEGMENT - Origin (SF) (DG 72)
SEGMENT CONDITION: Use if origin street address applies.
- [63] N3 SEGMENT - Consignee (CN) (DG 73)
SEGMENT CONDITION: Use if consignee street address applies.
- [67] N3 SEGMENT - Shipper (SH) (DG 74)
SEGMENT CONDITION: Use if shipper street address applies.
- [75] N3 SEGMENT - Bill Charges To (PO) (DG 77)
SEGMENT CONDITION: Use if street address is required for party to whom charges are billed. f available provide street address to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC.
- [79] N3 SEGMENT - Issuing Office (IU) (DG 78)
SEGMENT CONDITION: Use if street address is required for issuing office.

N4

Pos: 420	Max: 1
Heading - Optional	
Loop: N1	Elements: 6

User Option (Usage): Used

Syntax Rules:

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19		O	AN	2/30	Used

DoD Definition: [54-01] City (ST) (DG 71)						
ELEMENT CONDITION: Field is MANDATORY if rail shipment.						
[59-01] City (SF) (DG 72)						
ELEMENT CONDITION: Field is MANDATORY if rail shipment.						
[64-01] City (CN) (DG 73)						
ELEMENT CONDITION: Field is MANDATORY if rail shipment.						
[68-01] City (SH) (DG 74)						
ELEMENT CONDITION: Field is required for rail shipments.						
[76-01] City (PO) (DG 77)						
[80-01] City (IU) (DG 78)						
[83-01] FOB Point (City) Named In Contract (DG 79)						

N402	156		O	ID	2/2	Used
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DoD Definition: [54-02] State Code (ST) (DG 71)						
ELEMENT CONDITION: Field is MANDATORY if rail shipment.						
SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center						
[59-02] State (SF) (DG 72)						
ELEMENT CONDITION: Field is MANDATORY if rail shipment. Also use for province if shipment is Canadian.						
SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center						
[64-02] State (CN) (DG 73)						
ELEMENT CONDITION: Field is MANDATORY if rail shipment. Also use for province if shipment is Canadian.						
SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center						
[68-02] State (SH) (DG 74)						
ELEMENT CONDITION: Field is required for if rail shipments. Also use for province if shipment is Canadian.						
SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center						
[76-02] State (PO) (DG 77)						
SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center						
[80-02] State (IU) (DG 78)						
SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center						
[83-02] FOB Point (State) Named In Contract (DG 79)						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<i>SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center</i>				
N403	116		O	ID	3/15	Used
		DoD Definition: [54-03] ZIP/Postal Code (ST) (DG 71)				
		<i>There should be no special characters, punctuation, or blanks.</i>				
		<i>ELEMENT CONDITION: Field is MANDATORY if rail shipment.</i>				
		<i>SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents</i>				
		[59-03] ZIP/Postal Code (SF) (DG 72)				
		<i>Field is MANDATORY if rail shipment. There should be no special characters, punctuation, or blanks.</i>				
		<i>ELEMENT CONDITION: Field is MANDATORY if rail shipment.</i>				
		<i>SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents</i>				
		[64-03] ZIP Code/Postal Code (CN) (DG 73)				
		<i>There should be no special characters, punctuation, or blanks.</i>				
		<i>ELEMENT CONDITION: Field is MANDATORY if rail shipment.</i>				
		<i>SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents</i>				
		[68-03] ZIP Code/Postal Code (SH) (DG 74)				
		<i>There should be no special characters, punctuation, or blanks.</i>				
		<i>ELEMENT CONDITION: Field is required for rail shipments.</i>				
		<i>SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents</i>				
		[76-03] ZIP Code/Postal Code (PO) (DG 77)				
		<i>SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents</i>				
		[80-03] ZIP Code/Postal Code (IU) (DG 78)				
		<i>SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents</i>				
N404	26		O	ID	2/3	Used
		DoD Definition: [54-04] Country Code (DG 71)				
		<i>ELEMENT CONDITION: If destination is OCONUS, country code is required.</i>				
		<i>SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.</i>				
		[59-04] Country Code (SF) (DG 72)				
		<i>ELEMENT CONDITION: If origin is OCONUS, country code is required.</i>				
		<i>SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.</i>				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		[64-04] Country Code (CN) (DG 73)				
		<i>ELEMENT CONDITION: If consignee is OCONUS, country code is required.</i>				
		<i>SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.</i>				
		[68-04] Country Code (SH) (DG 74)				
		<i>ELEMENT CONDITION: If shipper is OCONUS, country code is required.</i>				
		<i>SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.</i>				
		[70-04] Country Code (DG 75)				
		<i>ELEMENT CONDITION: If diversion/reconsignment is OCONUS, country code is required.</i>				
		<i>SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.</i>				
N405	309		X	ID	1/2	Must use

DoD Definition: [54-05] Destination SPLC (ST) Qualifier (DG 71)

ELEMENT CONDITION: SPLC is required for CONUS, but not OCONUS, shipments.

SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)

[59-05] Shipping Point SPLC (SF) Qualifier (DG 72)

ELEMENT CONDITION: Required if N406 is used.

SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)

[64-05] Consignee (CN) GBLOC Qualifier (DG 73)

ELEMENT CONDITION: Required for all shipments except by ocean.

SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)

[70-05] Diversion/Reconsignment (TT) To SPLC Qualifier (DG 75)

Required if N406 is used.

[72-05] Diversion/Reconsignment (T4) From SPLC Qualifier (DG 76)

SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)

[80-05] Issuing Office (IU) GBLOC Qualifier (DG 78)

SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)

[83-05] FOB SPLC Qualifier (DG 79)

ELEMENT CONDITION: Required if N406 is used.

SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)

Code Name

BL **DoD Definition:**
 [64-05] Government Bill of Lading Office Code (GBLOC)
 [80-05] Government Bill of Lading Office Code (GBLOC)

SL **DoD Definition:**

Code Name

[54-05] U.S. SPLC
 [59-05] U.S. SPLC
 [70-05] U.S. SPLC
 [72-05] U.S. SPLC
 [83-05] U.S. SPLC

N406 310 X AN 1/30 Must use

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

DoD Segment Definition:

[54] N4 SEGMENT - Destination (ST) (DG 71)
 SEGMENT CONDITION: Use if destination city, state, and ZIP Code apply.
 [59] N4 SEGMENT - Origin (SF) (DG 72)
 SEGMENT CONDITION: Use if origin city, state, and ZIP Code apply.
 [64] N4 SEGMENT - Consignee (CN) (DG 73)
 Provides required data when shipment is by rail or when consignee is OCONUS. May be used also when consignee city, state, and ZIP Code apply.
 SEGMENT CONDITION: Required for all shipments except ocean.
 [68] N4 SEGMENT - Shipper (SH) (DG 74)
 SEGMENT CONDITION: Use if shipper city, state, and ZIP Code apply.
 [70] N4 SEGMENT - Diversion/Reconsignment To Country Code (TT) (DG 75)
 SEGMENT CONDITION: If shipment is CONUS, SPLC is required. If OCONUS, country code is required.
 [72] N4 SEGMENT - Diversion/Reconsignment (T4) (DG 76)
 SEGMENT CONDITION: Required if diversion/reconsignment SPLC applies.
 [76] N4 SEGMENT - Bill Charges To (PO) (DG 77)
 SEGMENT CONDITION: Use if city is required for party to whom charges are billed. If available provide city, state, and ZIP to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC.
 [80] N4 SEGMENT - Issuing Office (IU) (DG 78)
 SEGMENT CONDITION: Use if Issuing Office (IU) city, state, and ZIP Code apply.
 [83] N4 SEGMENT - FOB Point (DG 79)
 SEGMENT CONDITION: Use if FOB point applies.

PER

Pos: 440	Max: 3
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

Syntax Rules:

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER01	366		M	ID	2/2	Used

DoD Definition: [50-01] Transportation Company Dispatcher Contact Qualifier (DG 70)
 [55-01] Destination (ST) Contact Qualifier (DG 71)
 [60-01] Origin (SF) Contact Qualifier (DG 72)
 [81-01] Name of Issuing Officer Qualifier (DG 78)

Code Name

EM	DoD Definition: [50-01] Emergency Contact [55-01] Emergency Contact [60-01] Emergency Contact
IO	DoD Definition: [81-01] Issuing Officer

PER02	93		O	AN	1/60	Must use
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DoD Definition: [81-02] Name of Issuing Officer (DG 78)

PER03	365		X	ID	2/2	Must use
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DoD Definition: [50-03] Transportation Company Dispatcher Telephone Number Qualifier (DG 70)
 [55-03] Destination (ST) Phone Number Qualifier (DG 71)
 [60-03] Origin (SF) Phone Number Qualifier (DG 72)

Code Name

AU	DoD Definition: [55-03] Defense Switched Network [60-03] Defense Switched Network
TE	DoD Definition: [50-03] Telephone [55-03] Telephone [60-03] Telephone

PER04	364		X	AN	1/80	Must use
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DoD Definition: [50-04] Transportation Company Dispatcher Telephone Number (DG 70)
 [55-04] Destination (ST) Contact Phone Number (DG 71)
 Both commercial and DSN phone numbers are required for ammunition shipments.
 [60-04] Origin (SF) Contact Phone Number (DG 72)

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
<i>Both commercial and DSN phone numbers are required for ammunition shipments.</i>						

DoD Segment Definition:

[50] PER SEGMENT - Transportation Company Dispatcher Contact (DG 70)

SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.

[55] PER SEGMENT - DTTS Destination (ST) (DG 71)

SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.

[60] PER SEGMENT - DTTS Origin (SF) (DG 72)

SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.

[81] PER SEGMENT - Name of Issuing Officer (IU) (DG 78)

SEGMENT CONDITION: Use if name of issuing officer is required.

Loop

Pos: 450 Repeat: 999
 Optional
 Loop: S5 Elements: N/A

User Option (Usage): Used

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
450	S5		O	1		Used
460	G62		O	6		Used
490		Loop N1	O		5	Must use

S5

Pos: 450	Max: 1
Heading - Optional	
Loop: S5	Elements: 4

User Option (Usage): Used

Syntax Rules:

1. P0304 - If either S503 or S504 is present, then the other is required.
2. P0506 - If either S505 or S506 is present, then the other is required.
3. P0708 - If either S507 or S508 is present, then the other is required.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
S501	165		M	N0	1/3	Used

DoD Definition: [84-01] Stop Sequence Number (DG 80)

If the shipment stops enroute to the final destination, enter the sequence number of the stop location here. This sequence number needs to appear in the 100 Detail - Line Item Header Information Loop with each commodity that is picked up and/or delivered at that stop.

S502	163		M	ID	2/2	Used
------	-----	--	---	----	-----	------

DoD Definition: [84-02] Stop Reason Code (DG 80)

Code Name

LD **DoD Definition:**

[84-02] Load

UL **DoD Definition:**

[84-02] Unload

S510	154		O	ID	6/9	Used
------	-----	--	---	----	-----	------

DoD Definition: [84-10] Stop SPLC Code (DG 80)

Nine-digit SPLCs are required for costing of all shipments except by ocean. SPLC not used OCONUS.

SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc.

S511	190		O	ID	1/1	Used
------	-----	--	---	----	-----	------

DoD Definition: [84-11] Stop Accomplish Code (DG 80)

Code Name

A **DoD Definition:**

[84-11] Accomplished

P **DoD Definition:**

[84-11] Pending

DoD Segment Definition:

[84] S5 SEGMENT - Stop Data (DG 80)

The S5 loop must occur for each unique action that occurs at an enroute location. If a pickup and delivery action are performed at the same enroute location, the S5 loop must occur once for the pickup, and once for the delivery. The origin address is not included in this loop. The split pickup and split delivery addresses are included in this loop. For example, if a shipment makes a stop location and unloads an item, then moves to an inside address and unloads and loads an item, three actions have affected the shipment at two locations. Consequently, the 858 must contain three S5 loops, one for each action.

LOOP CONDITION: DG 80 required if the shipment requires inside pickup, inside delivery, stops, and objective service supply deliveries.

G62

Pos: 460	Max: 6
Heading - Optional	
Loop: S5	Elements: 4

User Option (Usage): Used

Syntax Rules:

1. P0102 - If either G6201 or G6202 is present, then the other is required.
2. P0304 - If either G6203 or G6204 is present, then the other is required.
3. R0103 - At least one of G6201 or G6203 is required.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6201	432		X	ID	2/2	Must use

DoD Definition: [85-01] Stop Date(s) Qualifier (DG 80)

Code Name

69	DoD Definition: [85-01] Scheduled Pick-Up Date
70	DoD Definition: [85-01] Scheduled Delivery Date

G6202	373		X	DT	8/8	Must use
-------	-----	--	---	----	-----	----------

DoD Definition: [85-02] Stop Date(s) (DG 80)

Use to satisfy claims and discrepancies. Scheduled date on which stop will occur.

G6203	176		X	ID	1/2	Used
-------	-----	--	---	----	-----	------

DoD Definition: [85-03] Stop Arrival/Departure Times Qualifier (DG 80)

ELEMENT CONDITION: Required if G6204 is used.

Code Name

8	DoD Definition: [85-03] Actual Pickup Time
9	DoD Definition: [85-03] Actual Delivery Time
A	DoD Definition: [85-03] Actual Departure Time

G6204	337		X	TM	4/8	Used
-------	-----	--	---	----	-----	------

DoD Definition: [85-04] Stop Arrival/Departure Times (DG 80)

Scheduled time at which stop will occur. Use time format HHMM.

DoD Segment Definition:

[85] G62 SEGMENT - Stop Arrival/Departure Times (DG 80)
SEGMENT CONDITION: Required if stop/pickup applies.

Loop

Pos: 490	Repeat: 5
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Must use

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
490	N1		O	1		Must use
500	N2		O	2		Used
510	N3		O	2		Used
520	N4		O	1		Used
540	PER		O	3		Used

N1

Pos: 490	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Must use

Syntax Rules:

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98		M	ID	2/3	Used

DoD Definition: [86-01] Stop Name Of Party To Receive Shipment Qualifier (DG 80)

Code Name

LP **DoD Definition:**
[86-01] Loading Party

UP **DoD Definition:**
[86-01] Unloading Party

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

DoD Definition: [86-02] Stop Name Of Party To Receive Shipment (DG 80)

ELEMENT CONDITION: If stop DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the stop is required.

N103	66		X	ID	1/2	Must use
------	----	--	---	----	-----	----------

DoD Definition: [86-03] Stop DoDAAC/CAGE/MAPAC Qualifier (DG 80)

Do not use CAGE code for ocean shipments.

Code Name

10 **DoD Definition:**
[86-03] Department of Defense Activity Address Code (DODAAC)

33 **DoD Definition:**
[86-03] Commercial and Government Entity (CAGE)

A2 **DoD Definition:**
[86-03] Military Assistance Program Address Code (MAPAC)

N104	67		X	AN	2/80	Must use
------	----	--	---	----	------	----------

DoD Definition: [86-04] Stop DoDAAC/CAGE/MAPAC (DG 80)

If stop DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the stop is required.

DoD Segment Definition:

[86] N1 SEGMENT - Stop Name of Party to Receive Shipment (DG 80)

N2

Pos: 500	Max: 2
Heading - Optional	
Loop: N1	Elements: 1

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N201	93		M	AN	1/60	Used

DoD Definition: [87-01] Additional Name (DG 80)

DoD Segment Definition:

[87] N2 SEGMENT - Stop Name of Party to Receive Shipment (DG 80)
 SEGMENT CONDITION: Use if stop name of party to receive shipment applies.

N3

Pos: 510	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166		M	AN	1/55	Used

DoD Definition: [88-01] Street (DG 80)

N302	166		O	AN	1/55	Used
------	-----	--	---	----	------	------

DoD Definition: [88-02] Additional Addressing Information (DG 80)

DoD Segment Definition:

[88] N3 SEGMENT - Stops (DG 80)

SEGMENT CONDITION: Use if stop street address of party to receive shipment applies.

N4

Pos: 520	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

Syntax Rules:

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19		O	AN	2/30	Used

DoD Definition: [89-01] City (DG 80)

N402	156		O	ID	2/2	Used
------	-----	--	---	----	-----	------

DoD Definition: [89-02] State (DG 80)

Also use for province if shipment is Canadian.

SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center

N403	116		O	ID	3/15	Used
------	-----	--	---	----	------	------

DoD Definition: [89-03] Stop ZIP Code/Postal Code (DG 80)

SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S. Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents

N404	26		O	ID	2/3	Used
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DoD Definition: [89-04] Country Code (DG 80)

ELEMENT CONDITION: If stop is OCONUS, country code is required.

SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.

DoD Segment Definition:

[89] N4 SEGMENT - Stops (DG 80)

SEGMENT CONDITION: Use if stop city/state of party to receive shipment applies.

PER

Pos: 540	Max: 3
Heading - Optional	
Loop: N1	Elements: 3

User Option (Usage): Used

Syntax Rules:

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366		M	ID	2/2	Used

DoD Definition: [90-01] Stop Communication Numbers Qualifier (DG 80)

Code Name

IC	DoD Definition: [90-01] Information Contact
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PER03	365		X	ID	2/2	Must use
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DoD Definition: [90-03] Stop Communication Numbers Contact Qualifier (DG 80)

Code Name

IT	DoD Definition: [90-03] International Telephone
TE	DoD Definition: [90-03] Telephone

PER04	364		X	AN	1/80	Must use
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DoD Definition: [90-04] Stop Communication Numbers Contact (DG 80)

DoD Segment Definition:

[90] PER SEGMENT - Stop Communication Numbers (DG 80)
SEGMENT CONDITION: Use if stop communication numbers apply.

Loop

Pos: 550	Repeat: >1
Optional	
Loop: FA1	Elements: N/A

User Option (Usage): Used

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
550	FA1		O	1		Used
560	FA2		M	>1		Used
570	L10		O	1		Must use

FA1

Pos: 550	Max: 1
Heading - Optional	
Loop: FA1	Elements: 1

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
FA101	559		M	ID	2/2	Used

DoD Definition: [91-01] Agency Qualifier Code (DG 10)

Code identifying the agency assigning the code values.

Code Name

DF	DoD Definition: [91-01] Department of Defense (DoD)
DN	DoD Definition: [91-01] Department of the Navy
DX	DoD Definition: [91-01] United States Marine Corps
DY	DoD Definition: [91-01] Department of Air Force
DZ	DoD Definition: [91-01] Department of Army
HS	DoD Definition: [91-01] Department of Health and Human Services Use 'HS' to denote Department of Homeland Security/US Coast Guard (DHS/USCG)

DoD Segment Definition:

[91] FA1 SEGMENT - Appropriation (DG 10)

If there is only one Transportation Accounting Code or Line of Accounting at the header level, then it applies to all shipments in that container. If there is TAC/LOA at the header level, and some of the line items in the container have their own TACs/LOAs and some do not, use the TACs/LOAs at the line item level for those specific shipments and default to the header TAC/LOA for all others. If there is an invalid TAC/LOA on a single line item we will use the header TAC/LOA.

LOOP CONDITION: Carriers do not need to receive appropriation data. This segment begins the appropriation number loop. It calls for both FA1 and FA2 segments. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners.

FA2

Pos: 560	Max: >1
Heading - Mandatory	
Loop: FA1	Elements: 2

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
FA201	1196		M	ID	2/2	Used

DoD Definition: [92-01] Breakdown Structure Detail Code (DG 10)

<u>Code</u>	<u>Name</u>
84	DoD Definition: [92-01] Total Direct Costs
89	DoD Definition: [92-01] Budget Line Item
90	DoD Definition: [92-01] Project Identifier
A1	DoD Definition: [92-01] Department Indicator Use 'A1' to denote Department Regular
A2	DoD Definition: [92-01] Transfer from Department Use 'A2' to denote Department Transfer
A3	DoD Definition: [92-01] Fiscal Year Indicator
A4	DoD Definition: [92-01] Basic Symbol Number Use 'A4' to denote Main Account
A5	DoD Definition: [92-01] Sub-class
A6	DoD Definition: [92-01] Sub-Account Symbol Use 'A6' to denote Sub Account
AI	DoD Definition: [92-01] Activity Identifier
AT	DoD Definition: [92-01] Air Force Transportation Account Code (ATAC)
B1	DoD Definition: [92-01] Budget Activity Number
B2	DoD Definition: [92-01] Budget Sub-activity Number Use 'B2' to denote Sub-Allocation
B3	DoD Definition: [92-01] Budget Program Activity
BE	DoD Definition: [92-01] Business Event Type Code

Code	Name
C1	DoD Definition: <i>[92-01] Program Element</i>
C2	DoD Definition: <i>[92-01] Project Task or Budget Subline</i>
C3	DoD Definition: <i>[92-01] Budget Restriction</i> <i>Use 'C3' to denote Availability Type</i>
CC	DoD Definition: <i>[92-01] Cost Center Identifier</i>
D1	DoD Definition: <i>[92-01] Defense Agency Allocation Recipient</i>
D4	DoD Definition: <i>[92-01] Component Sub-allocation Recipient</i>
D6	DoD Definition: <i>[92-01] Sub-allotment Recipient</i>
D7	DoD Definition: <i>[92-01] Work Center Recipient</i>
E1	DoD Definition: <i>[92-01] Major Reimbursement Source Code</i>
E2	DoD Definition: <i>[92-01] Detail Reimbursement Source Code</i>
E3	DoD Definition: <i>[92-01] Customer Indicator</i>
F1	DoD Definition: <i>[92-01] Object Class</i>
F3	DoD Definition: <i>[92-01] Government or Public Sector Identifier</i>
FA	DoD Definition: <i>[92-01] Functional Area</i>
FC	DoD Definition: <i>[92-01] Funding Center Identifier</i>
FT	DoD Definition: <i>[92-01] Funding Type</i>
G2	DoD Definition: <i>[92-01] Special Interest Code or Special Program Cost Code</i>
H1	DoD Definition: <i>[92-01] Cost Code</i> <i>Use 'H1' to denote Cost Element Code</i>
I1	DoD Definition: <i>[92-01] Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)</i> <i>Use 'I1' to denote Abbreviated Department of Defense (DoD) Budget and Accounting Classification</i>
IA	DoD Definition: <i>[92-01] Security Cooperation Implementing Agency Code</i>
J1	DoD Definition:

L10

Pos: 570	Max: 1
Heading - Optional	
Loop: FA1	Elements: 3

User Option (Usage): Must use

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L1001	81		M	R	1/10	Used

DoD Definition: [93-01] Weight (DG 10)
 Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.

L1002	187		M	ID	1/2	Used
-------	-----	--	---	----	-----	------

DoD Definition: [93-02] Weight Qualifier (DG 10)

Code Name

N	DoD Definition: [93-02] Actual Net Weight
---	---

L1003	188		O	ID	1/1	Must use
-------	-----	--	---	----	-----	----------

DoD Definition: [93-03] Weight Unit Code (DG 10)

Code Name

E	DoD Definition: [93-03] Metric Ton
G	DoD Definition: [93-03] Grams
K	DoD Definition: [93-03] Kilograms
L	DoD Definition: [93-03] Pounds
M	DoD Definition: [93-03] Measurement Ton
O	DoD Definition: [93-03] Ounces
S	DoD Definition: [93-03] Short Ton
T	DoD Definition: [93-03] Long Ton

DoD Segment Definition:

[93] L10 SEGMENT - Appropriation Weight (DG 10)
 This segment is MANDATORY if and only if the FA1 SEGMENT - Appropriation segment is used. Otherwise, this segment may not be used.

Loop

Pos: 010 Repeat: >1
 Mandatory
 Loop: HL Elements: N/A

User Option (Usage): Used

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	HL		M	1		Used
020	N7		O	1		Used
030	NA		O	1		Used
040	M7		O	5		Used
090	L7		O	10		Used
095	SL1		O	1		Used
100	N9		O	10		Must use
130	L5		O	10		Must use
134	LH6		O	5		Used
140	NTE		O	100		Used
145		Loop L0	O		20	Must use
170		Loop LH1	O		100	Used
230		Loop FA1	O		>1	Used
260		Loop NM1	O		4	Used
290		Loop N1	O		4	Used

HL

Pos: 010	Max: 1
Detail - Mandatory	
Loop: HL	Elements: 2

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
HL01	628		M	AN	1/12	Used

- DoD Definition:** [94-01] Detail - Line Item Description Loop (DG 100)
 Use the value '1' for the first HL loop and increment by 1 for each successive HL loop, regardless of usage of the HL loop. An HL Line Item Description Loop is generated for each DG 100. A shipment unit is identified by a single Transportation Control Number (TCN). Each commodity description cites the TCN it is grouped under. A shipment unit may cite multiple commodities. DG 100, commodity header information, describes one commodity (NMFC, UFC, DoD unique). The commodity detail information, DG 120, describes the type pack information in the L0 loop. There can be multiple type packs per line item.
- [150-01] Detail - Gross Weight Description (DG 200)
 Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe weights that apply to the entire shipment.
- [152-01] Detail - Tare Weight Description Loop (DG 200)
 Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe tare weights that apply to the entire shipment.
- [154-01] Detail - Net Weight Description Loop (DG 200)
 Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe net weights that apply to the entire shipment.
- [156-01] Detail - Net Explosive Weight Description Loop (English) (DG 200)
 Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe English weights that apply to the entire shipment.
- [159-01] Detail - Net Explosive Weight Description Loop (Metric) (DG 200)
 Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe Net Explosive Weights (Metric) that apply to the entire shipment.
- [162-01] Detail - Dunnage Weight Description Loop (DG 200)
 Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe Dunnage Weights that apply to the entire shipment.
- [164-01] Detail - Pallet Weight Description Loop (DG 200)
 Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe pallet weights that apply to the entire shipment.
- [166-01] Detail - Skid Weight Description Loop (DG 200)
 Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe skid weights that apply to the entire shipment.
- [168-01] Detail - Freight Weight Description Loop (DG 200)
 Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe freight weights that apply to the entire shipment.

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		[170-01] Detail - Accessorial/Protective Services Loop (DG 300)				
		Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the Accessorial/Protective Services Loop. See Section 5.0 (DTEB Freight Bill of Lading Shipment Information Implementation Convention) for looping logic and examples.				
		[176-01] Hierarchical ID Number (DG 300)				
		[180-01] Detail - Fuel Surcharge Loop (DG 301)				
		Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe a fuel surcharge.				
		[183-01] Detail - Commodity Classification Summary Loop (DG 400)				
		Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins a loop used to describe each different type of commodity being moved under the bill. Description of each individual commodity type requires an HL Segment.				
		[189-01] Detail - ITO Quality Management Info Loop Qualifier (DG 500)				
		Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to carry ITO Quality Management Information.				
		[193-01] Detail - TWCF Recovery Fee Loop (DG 600)				
		Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe the TWCF recovery fee associated to DFTS shipments.				
HL03	735		M	ID	1/2	Used
		DoD Definition: [94-03] Hierarchical Level Code (DG 100)				
		This code identifies the Line Item Description Loop.				
		[150-03] Hierarchical Level Code (DG 200)				
		This code identifies the Gross Weight Description Loop.				
		[152-03] Hierarchical Level Code (DG 200)				
		This code identifies the Tare Weight Description Loop.				
		[154-03] Hierarchical Level Code (DG 200)				
		This code identifies the Net Weight Description Loop.				
		[156-03] Hierarchical Level Code (DG 200)				
		This code identifies the Net Explosive Weight Description (English) Loop.				
		[159-03] Hierarchical Level Code (DG 200)				
		This code identifies the Net Explosive Weight Description (Metric) Loop.				
		[162-03] Hierarchical Level Code (DG 200)				
		This code identifies the Dunnage Weight Description Loop.				
		[164-03] Hierarchical Level Code (DG 200)				
		This code identifies the Pallet Weight Description Loop.				
		[166-03] Hierarchical Level Code (DG 200)				
		This code identifies the Skid Weight Description Loop.				
		[168-03] Hierarchical Level Code (DG 200)				
		This code identifies the Freight Weight Description Loop.				
		[170-03] Hierarchical Level Code (DG 300)				
		This code identifies the Accessorial/Protective Services Loop.				
		[176-03] Hierarchical Level Code (DG 300)				
		[180-03] Hierarchical Level Code (DG 301)				
		This code identifies the Fuel Surcharge Loop.				
		[183-03] Hierarchical Level Code (DG 400)				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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		<i>This code identifies the Commodity Classification Summary Loop.</i>				
		<i>[189-03] Hierarchical Level Code (DG 500)</i>				
		<i>This code identifies the ITO Quality Management Information Loop.</i>				
		<i>[193-03] Hierarchical Level Code (DG 600)</i>				
		<i>This code identifies the TWCF Recovery Fee Loop.</i>				

Code Name

2	DoD Definition: <i>[180-03] Billing Arrangement</i>
D	DoD Definition: <i>[183-03] Product Description</i>
I	DoD Definition: <i>[94-03] Item</i>
AD	DoD Definition: <i>[189-03] Administrative Information</i>
CT	DoD Definition: <i>[193-03] Cost Type</i> <i>Use 'CT' to denote Transportation Working Capital Fund (TWCF) Recovery Fee</i>
PH	DoD Definition: <i>[150-03] Product Characteristic</i> <i>[152-03] Product Characteristic</i> <i>[154-03] Product Characteristic</i> <i>[156-03] Product Characteristic</i> <i>[159-03] Product Characteristic</i> <i>[162-03] Product Characteristic</i> <i>[164-03] Product Characteristic</i> <i>[166-03] Product Characteristic</i> <i>[168-03] Product Characteristic</i>
SS	DoD Definition: <i>[170-03] Services</i> <i>[176-03] Services</i>

DoD Segment Definition:

[94] HL SEGMENT - Line Item Detail (DG 100)

[150] HL SEGMENT - Gross Weight Description Loop (DG 200)
LOOP CONDITION: Use when gross weight description applies.

[152] HL SEGMENT - Detail - Tare Weight Description Loop (DG 200)
LOOP CONDITION: Use when tare weight description is required.

[154] HL SEGMENT - Net Weight Description Loop (DG 200)
The HL Net Weight Description Loop must occur for the shipment net weight.
The HL Net Weight Description Loop must occur for the shipment net weight.

[156] HL SEGMENT - Net Explosive Weight Description Loop (English) (DG 200)
LOOP CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required and the shipment is an explosive danger.

[159] HL SEGMENT - Net Explosive Weight Description Loop (Metric) (DG 200)
LOOP CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required and the shipment is an explosive danger.

[162] HL SEGMENT - Dunnage Weight Description Loop (DG 200)
LOOP CONDITION: Required if dunnage weight description Loop is required.

[164] HL SEGMENT - Pallet Weight Description Loop (DG 200)
LOOP CONDITION: Required if pallet weight applies.

[166] HL SEGMENT - Skid Weight Description Loop (DG 200)
LOOP CONDITION: Required if skid weight is required.

[168] HL SEGMENT - Freight Weight Description Loop (DG 200)

[170] HL SEGMENT - Accessorial/Protective Services Loop (DG 300)

LOOP CONDITION: Required if the shipment calls for accessorial or protective service. One HL Accessorial/Protective Services Loop must occur for each service ordered.

[176] HL SEGMENT - Level of Service Loop (DG 300)

LOOP CONDITION: Use for air freight shipments.

[180] HL SEGMENT - Fuel Surcharge Loop (DG 301)

LOOP CONDITION: Required only when Mode is Air (BX02 code values 'AF', 'AH', 'FA') or Motor, as long as fuel surcharge policy is in effect.

[183] HL SEGMENT - Commodity Classification Summary Loop (DG 400)

LOOP CONDITION: Required except for ocean and SPOT BID shipments.

[189] HL SEGMENT - ITO Quality Management Info Loop Qualifier (DG 500)

LOOP CONDITION: Use if the shipper needs to report quality control information, DG 500 must appear.

[193] HL SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee Loop (DG 600)

LOOP CONDITION: Required for all Defense Freight Transportation Services (DFTS) shipments.

N7

Pos: 020	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

Syntax Rules:

1. P0304 - If either N703 or N704 is present, then the other is required.
2. P0516 - If either N705 or N716 is present, then the other is required.
3. P0809 - If either N708 or N709 is present, then the other is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N701	206		O	AN	1/4	Used

DoD Definition: [95-01] Primary Equipment Initials (DG 100)
 This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes initials of the furnished primary equipment in/on which the commodity is conveyed.
 SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association
 [171-01] Equipment Initial (DG 300)
 This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes initials of the furnished primary equipment in/on which the commodity is conveyed.
 ELEMENT CONDITION: If the value in N702 is other than 'NONE', or the equipment initials are not available, use the SCAC.
 SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association

N702	207		M	AN	1/10	Used
------	-----	--	---	----	------	------

DoD Definition: [95-02] Primary Equipment Numbers (DG 100)
 This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes numbers on the furnished primary equipment in/on which the commodity is conveyed.
 [171-02] Equipment Number (DG 300)
 This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes numbers on the furnished primary equipment in/on which the commodity is conveyed.

DoD Segment Definition:

[95] N7 SEGMENT - Primary Equipment Identifier (DG 100)
 SEGMENT CONDITION: This segment is required in the line item detail if the shipment moves on multiple pieces of primary equipment. Use this segment to associate the line item with the primary equipment on which it is conveyed. Associate with equipment identified in N7 segment, DataGroup 60.
 [171] N7 SEGMENT - Primary Equipment Identifier (DG 300)
 SEGMENT CONDITION: Required if the shipment moves on multiple pieces of equipment and the accessorial/protective service applies to a particular piece of equipment. Do not use this segment if the accessorial/protective service applies to the whole shipment.

NA

Pos: 030	Max: 1
Detail - Optional	
Loop: HL	Elements: 4

User Option (Usage): Used

Syntax Rules:

1. C0102 - If NA01 is present, then NA02 is required.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NA01	128		X	ID	2/3	Used

DoD Definition: [97-01] Military Vehicle Identification/Serial Number Qualifier (DG 100)
 ELEMENT CONDITION: Required if NA02 is used.

Code Name

SE	DoD Definition: [97-01] Serial Number
VT	DoD Definition: [97-01] Motor Vehicle ID Number

NA02	127		X	AN	1/30	Used
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DoD Definition: [97-02] Military Vehicle Identification/Serial Number (DG 100)
 Use VIN to describe the vehicles being moved.

NA03	206		M	AN	1/4	Used
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DoD Definition: [96-03] Shipper Equipment Initials (DG 100)
 [97-03] Military Vehicle Initials (Filler) (DG 100)

Code Name

DODV	DoD Definition: [96-03] DoD Van and Container
DROM	DoD Definition: [96-03] Dromedary Equipment
NONX	DoD Definition: [97-03] Vehicle

NA04	207		M	AN	1/10	Used
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DoD Definition: [96-04] Shipper Equipment Numbers (DG 100)
 Use for Initials and Serial Number of the Shipper Owned Containers/DROMs.
 [97-04] Military Vehicle Bumper Number (DG 100)
 Use 'NONE' if bumper number is unavailable.

DoD Segment Definition:

[96] NA SEGMENT - Shipper Equipment Numbers (DG 100)
 Shipper owned vehicles, like trucks, jeeps, and tanks, are identified using a different mapping of the NA segment in the HL Line Item Description Loop. See the following occurrence of the NA segment for mapping of vehicles information.

SEGMENT CONDITION: This segment required to indicate the mapping for shipper equipment numbers when applicable. Shipper equipment is that equipment/vehicle which is supplied/owned by the shipper. This includes DROMs, containers, and vans.

[97] NA SEGMENT - Military Vehicle Identification (DG 100)

SEGMENT CONDITION: This segment required to indicate the mapping for shipper owned vehicles when applicable. This includes cars, jeeps, tanks, and trucks. See the previous occurrence of the NA segment for mapping of shipper equipment information. The model number maps to NTE SEGMENT - Vehicle Model Number.

M7

Pos: 040	Max: 5
Detail - Optional	
Loop: HL	Elements: 1

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
M701	225		M	AN	2/15	Used

DoD Definition: [98-01] Seals On Shipper Owned Equipment (DG 100)
 Use to describe seal applied to equipment (Containers, DROMs) owned by the shipper.

DoD Segment Definition:

[98] M7 SEGMENT - Seals (DG 100)
 SEGMENT CONDITION: Required when seals are applied.

L7

Pos: 090	Max: 10
Detail - Optional	
Loop: HL	Elements: 4

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L702	168		O	ID	1/4	Must use
DoD Definition: [184-02] Tariff/Tender Rate Authority (SCAC) (DG 400)						
The Standard Carrier Alpha Code that prefixes the tender number.						
SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC - STAC), NMF 101 Series available from National Motor Freight Traffic Association, Inc.						
L703	171		O	AN	1/7	Must use
DoD Definition: [184-03] Tariff/Tender Number (DG 400)						
L708	173		O	AN	1/4	Used
DoD Definition: [184-08] Tariff/Tender Supplement Identifier (DG 400)						
Enter two-digit number, using leading zero as required.						
L710	373		O	DT	8/8	Used
DoD Definition: [184-10] Tariff/Tender Effective Date (DG 400)						
Include for Tailored Transportation Contract (TTC) Traffic shipments.						

DoD Segment Definition:

[184] L7 SEGMENT - Tariff/Tender Rate Authority (DG 400)
 SEGMENT CONDITION: Used for SPOT BID shipments as well as ocean shipments.

SL1

Pos: 095	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

Syntax Rules:

1. R0304 - At least one of SL103 or SL104 is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SL101	284		M	ID	2/2	Used

DoD Definition: [177-01] Service Level Code (DG 300)

Code Name

AE	DoD Definition: [177-01] Air Economy Use 'AE' to denote Extended
D1	DoD Definition: [177-01] Delivery Scheduled Next Day by Cartage Agent Use 'D1' to denote Overnight
D2	DoD Definition: [177-01] Delivery Scheduled Second Day by Cartage Agent Use 'D2' to denote Second Day
D3	DoD Definition: [177-01] Delivery Scheduled Third Day by Cartage Agent Use 'D3' to denote Deferred
SG	DoD Definition: [177-01] Standard Ground Use 'SG' to denote Priority

SL103	22		X	AN	1/30	Must use
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DoD Definition: [177-03] Required Element (DG 300)

Enter value zero (0) to satisfy X12 syntax.

DoD Segment Definition:

[177] SL1 SEGMENT - Level of Service (DG 300)
SEGMENT CONDITION: Required for air freight shipments.

N9

Pos: 100	Max: 10
Detail - Optional	
Loop: HL	Elements: 4

User Option (Usage): Must use

Syntax Rules:

1. C0605 - If N906 is present, then N905 is required.
2. R0203 - At least one of N902 or N903 is required.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128		M	ID	2/3	Used

DoD Definition: [99-01] Requisition Number Qualifier (DG 100)
[100-01] Authority Number (Contract) Qualifier (DG 100)
The contract number qualifier which corresponds to the shipment unit.
[101-01] Authority Number (PO) Qualifier (DG 100)
The purchase order number qualifier which corresponds to the shipment unit.
[102-01] TCN Qualifier (DG 100)
[103-01] National Stock No./Manufacturer's Part No. Qualifier (DG 100)
This qualifier must appear if NSN is used. Use Manufacturer's Part Number if NSN is not available.
[104-01] Project Code Qualifier (DG 100)
[105-01] Stop Sequence Number Cross-Reference Qualifier (DG 100)
[106-01] Reference Identification Qualifier (DG 100)
[107-01] LIN Index Number Qualifier (DG 100)
[108-01] Line Item Number Qualifier (DG 100)
[109-01] Controlled Inventory Item Code (CIIC) Qualifier (DG 100)
[110-01] DoDIC Qualifier (DG 100)
[172-01] Service Performed Identifier (DG 300)
[173-01] Stop Sequence Number Qualifier (DG 300)
[190-01] Reason (Not Lowest Cost) Qualifier (DG 500)
This qualifier must appear if not lowest cost is used.

Code	Name
1I	DoD Definition: [110-01] Department of Defense Identification Code (DoDIC)
1P	DoD Definition: [172-01] Accessorial Status Code
25	DoD Definition: [190-01] Reason Not Lowest Cost Code
CT	DoD Definition: [100-01] Contract Number
ED	DoD Definition: [106-01] Export Declaration
HS	DoD Definition: [103-01] Harmonized Code System (Canada)
JY	DoD Definition:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<i>SOURCE: DoD 4100.39-M (FLIS Manual) Volume 10, Table 61</i>				
		<i>[110-02] DoDIC (DG 100)</i>				
		<i>Required for all ammunition and explosives. Also called Navy Ammunition Logistics Code (NALC).</i>				
		<i>[172-02] Service Performed Date Qualifier (DG 300)</i>				
		<i>Use the following value to denote the DoD definition as indicated: DP - Date Service was Performed</i>				
		<i>[173-02] Stop Sequence Number (DG 300)</i>				
		<i>If stops apply to a shipment, a service code is identified with a stop by carrying the sequence number of the stop address in this data element. That sequence number appears in the S5 segment in the header area of the transaction set.</i>				
		<i>[190-02] Reason (Not Lowest Cost) (DG 500)</i>				
		<i>Code that identifies the 'Reason Not Lowest Cost' service provided as defined by the "Freight Lading Bill Reason Code" table found in USTranscom Reference Data Management (TRDM), mirrored at http://www.transcom.mil/dteb/files/refdata/V_D_FRGHT_LDNG_BL4_CD.htm.</i>				
N904	373		O	DT	8/8	Used
		DoD Definition: <i>[100-04] Authority Number (Contract) Date (DG 100)</i>				
		<i>The contract number date which corresponds to the shipment unit.</i>				
		<i>[101-04] Authority Number (PO) Date (DG 100)</i>				
		<i>The purchase order number date which corresponds to the shipment unit.</i>				
		<i>[172-04] Service Performed Date (DG 300)</i>				
		<i>The date the service was performed.</i>				
N907	C040		O	Comp		Used
		DoD Definition: <i>[102-07] Transportation Tracking Number (TTN) Composite Header (DG 100)</i>				
		<i>COMPOSITE CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.</i>				
		Syntax:				
		1. P0304 - If either C04003 or C04004 is present, then the other is required.				
		2. P0506 - If either C04005 or C04006 is present, then the other is required.				
N907-01	128		M	ID	2/3	Used
		DoD Definition: <i>[102-07-01] Transportation Tracking Number (TTN) Qualifier (DG 100)</i>				
		Code Name				
		18	DoD Definition:			
			<i>[102-07-01] Plan Number</i>			
			<i>Use '18' to denote Transportation Tracking Number (TTN)</i>			
N907-02	127		M	AN	1/30	Used
		DoD Definition: <i>[102-07-02] Transportation Tracking Number (TTN). (DG 100)</i>				

DoD Segment Definition:

[99] N9 SEGMENT - Requisition Number (DG 100)
SEGMENT CONDITION: Required if available.
[100] N9 SEGMENT - Shipment Unit Contract Number (DG 100)
SEGMENT CONDITION: Use this segment if the contract number used to purchase the shipment unit is available.
[101] N9 SEGMENT - Shipment Unit Purchase Order Number (DG 100)

SEGMENT CONDITION: Use this segment if the purchase order (PO) number used to purchase the shipment unit is available.

[102] N9 SEGMENT - TCN (DG 100)

[103] N9 SEGMENT - National Stock No./Manufacturer's Part No. (DG 100)

SEGMENT CONDITION: Required if available.

[104] N9 SEGMENT - Project Code (DG 100)

SEGMENT CONDITION: Required if project code is used.

[105] N9 SEGMENT - Stop Sequence Number Cross-Reference (DG 100)

[106] N9 SEGMENT - External Tracking Number (XTN) (DG 100)

SEGMENT CONDITION: Use for USML shipments. U.S. Customs' Automated Export System uses this number.

[107] N9 SEGMENT - LIN Index Number (DG 100)

SEGMENT CONDITION: Use for Army Unit moves.

[108] N9 SEGMENT - Line Item Number (DG 100)

SEGMENT CONDITION: Use for Army Unit moves.

[109] N9 SEGMENT - Controlled Inventory Item Code (CIIC) (DG 100)

SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required and if DoD-controlled item has a CIIC assigned.

[110] N9 SEGMENT - DoD Identification Code (DoDIC) (DG 100)

SEGMENT CONDITION: Required for DTTS if the hazardous shipment contains ammunition.

[172] N9 SEGMENT - Service Performed (DG 300)

SEGMENT CONDITION: Required for accessorial/protective services.

[173] N9 SEGMENT - Stop Sequence Number (DG 300)

SEGMENT CONDITION: Required if stop-offs occur.

[190] N9 SEGMENT - Reason (Not Lowest Cost) (DG 500)

SEGMENT CONDITION: Required only if HL SEGMENT - ITO Quality Management Info Loop Qualifier is used.

L5

Pos: 130	Max: 10
Detail - Optional	
Loop: HL	Elements: 4

User Option (Usage): Must use

Syntax Rules:

1. C0706 - If L507 is present, then L506 is required.
2. P0304 - If either L503 or L504 is present, then the other is required.
3. P0809 - If either L508 or L509 is present, then the other is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L502	79		O	AN	1/50	Used

DoD Definition: [111-02] Description Of Articles (DG 100)
 Clear text description of the line item.
 [112-02] POV Make (DG 100)
 ELEMENT CONDITION: If this segment appears, at least one of L502 and L506 must be used in this segment.
 [185-02] Commodity Description (DG 400)

L503	22		X	AN	1/30	Must use
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DoD Definition: [111-03] Classification Item No. (Commodity Code) (DG 100)
 When the sub-item number is available, provide it in the last two positions of this element.
 DIC reference is applicable only when qualified with the value 'I' in the L504.
 [185-03] Commodity Code (DG 400)
 If the shipment goes FAK, enter the DoD unique FAK code instead of the NMFC/UFC.

L504	23		X	ID	1/1	Must use
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DoD Definition: [111-04] Classification Item No. (Commodity Code) Qualifier (DG 100)
 [185-04] Commodity Code Qualifier (DG 400)

Code Name

A	DoD Definition: [111-04] Harmonized Tariff Schedule of the United States Annotated
D	DoD Definition: [111-04] Department of Defense Unique Codes [185-04] Department of Defense Unique Codes
I	DoD Definition: [111-04] Milstamp AITC or Water Commodity Code
J	DoD Definition: [111-04] Harmonized System-Based Schedule B
N	DoD Definition: [111-04] National Motor Freight Classification (NMFC) [185-04] National Motor Freight Classification (NMFC)
T	DoD Definition: [111-04] Standard Transportation Commodity Code (STCC) [185-04] Standard Transportation Commodity Code (STCC)
U	DoD Definition:

Code Name

[111-04] Uniform Freight Classification (UFC)
 [185-04] Uniform Freight Classification (UFC)

L506	87		X	AN	1/48	Used
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DoD Definition: [111-06] Number On Packages (DG 100)

Use to show descriptive marks and numbers on freight.

[112-06] Vehicle Color (DG 100)

ELEMENT CONDITION: If this segment appears, at least one of L502 and L506 must be used in this segment.

DoD Segment Definition:

[111] L5 SEGMENT - Classification (DG 100)

[112] L5 SEGMENT - Privately Owned Vehicle (DG 100)

SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.

[185] L5 SEGMENT - Commodity Description (DG 400)

SEGMENT CONDITION: Required if and only if HL SEGMENT - Commodity Classification Summary Loop is used.

LH6

Pos: 134	Max: 5
Detail - Optional	
Loop: HL	Elements: 4

User Option (Usage): Used

Syntax Rules:

1. P0203 - If either LH602 or LH603 is present, then the other is required.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH601	93		O	AN	1/60	Must use

DoD Definition: [113-01] HAZMAT - Certifying Person (49CFR Compliance) (DG 190)
 Clear text. MANDATORY for all hazardous material shipments.
 SOURCE: 49 CFR 172.204

LH602	272		X	ID	1/1	Must use
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DoD Definition: [113-02] HAZMAT - Certification Code (49 CFR Compliance) (DG 190)

Code Name

1 **DoD Definition:**
 [113-02] Abbreviated Hazardous Certification

2 **DoD Definition:**
 [113-02] Long Form of Hazardous Certification

LH603	273		X	AN	1/25	Must use
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DoD Definition: [113-03] HAZMAT - Certification Declaration (49 CFR Compliance) (DG 190)
 Certification verbiage in accordance with 49 CFR 172.204. MANDATORY for all hazardous materials shipments. Verbiage that certifies the entire shipment should appear once in the first occurrence of the HL Line Item Description Loop.

SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications

LH604	273		O	AN	1/25	Used
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DoD Definition: [113-04] HAZMAT - Certification Declaration (49 CFR Compliance) (DG 190)

ELEMENT CONDITION: Use for any remainder of certification verbiage exceeding 25 characters in LH603.

SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications

DoD Segment Definition:

[113] LH6 SEGMENT - Certification Code (49 CFR Compliance) (DG 190)

SEGMENT CONDITION: Required for HAZMAT shipments.

NTE

Pos: 140	Max: 100
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NTE01	363		O	ID	3/3	Must use

DoD Definition: [114-01] 3PL Offer Record Number Qualifier (DG 190)
 [115-01] Vehicle Model Number Qualifier (DG 1001)
 [116-01] Unit Line Number Qualifier (DG 2001)
 [117-01] Transportation Tracking Account Number (TTAN) Qualifier (DG 190)
 [118-01] Other Information Qualifier Code (DG 190)
 Shipments by other than ocean use code value 'OTH'. Ocean shipments use code values 'CIG', 'LIQ', 'ADD', and 'OCR'.

Code Name

ADD	DoD Definition: [118-01] Additional Information
CIG	DoD Definition: [118-01] Cigarette Information
EED	DoD Definition: [115-01] Equipment Description
LIQ	DoD Definition: [118-01] Liquor Information
OCR	DoD Definition: [118-01] Outside the Continental U.S. (OCONUS) Rating Information
OTH	DoD Definition: [118-01] Other Instructions
OTN	DoD Definition: [116-01] Another Type of Number Description
TCF	DoD Definition: [117-01] Tariff Commodity Footnotes Use 'TCF' to denote Transportation Tracking Account Number (TTAN)
UPI	DoD Definition: [114-01] Updated Information Use 'UPI' to denote 3PL Offer Record Number Qualifier

NTE02	352		M	AN	1/80	Used
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DoD Definition: [114-02] 3PL Offer Record Number (DG 190)
 [115-02] Vehicle Model Number (DG 1001)
 [116-02] Unit Line Number (DG 2001)
 [117-02] Transportation Tracking Account Number (TTAN) (DG 190)
 [118-02] Other Information (DG 190)
 Shipments by other than ocean enter clear text information related to the line item such as velocity management instructions. Ocean shipments enter values depending on code value in NTE01 as follows: With code value 'OCR' use tariff for CONUS to Hawaii/Guam Rating Information. With code value 'CIG' or 'LIQ' use cigarette or liquor information. Repeat

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<i>segment until all cigarette or liquor data has been entered.</i>				

DoD Segment Definition:

[114] NTE SEGMENT - 3PL Offer Record Number (DG 190)

SEGMENT CONDITION: Use for 3PL coordinated shipments (DTCL or DFTS) only. Required for 3PL coordinated shipments. Matches the shipper's offer record numbers that appear in corresponding 219 Transportation Service Request and a 220 Transportation Service Response.

[115] NTE SEGMENT - Vehicle Model Number (DG 190)

SEGMENT CONDITION: Use to identify the model number for military vehicles as applicable. Required for ocean shipments.

[116] NTE SEGMENT - Unit Line Number (DG 190)

SEGMENT CONDITION: Use to identify unit line number as applicable.

[117] NTE SEGMENT - Transportation Tracking Account Number (TTAN) (DG 190)

SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Account Number is applicable.

[118] NTE SEGMENT - Other Information (DG 190)

SEGMENT CONDITION: For non-ocean shipments, use to indicate line item level special instructions. Ocean shipments use for additional comments information or rating information as needed. Repeat once for each qualifier.

Loop

Pos: 145	Repeat: 20
Optional	
Loop: L0	Elements: N/A

User Option (Usage): Must use

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
145	L0		O	1		Must use
150	L1		O	20		Used
160	MEA		O	10		Used

L0

Pos: 145	Max: 1
Detail - Optional	
Loop: L0	Elements: 14

User Option (Usage): Must use

Syntax Rules:

1. C1104 - If L011 is present, then L004 is required.
2. P0203 - If either L002 or L003 is present, then the other is required.
3. P0405 - If either L004 or L005 is present, then the other is required.
4. P0607 - If either L006 or L007 is present, then the other is required.
5. P0809 - If either L008 or L009 is present, then the other is required.
6. P1315 - If either L013 or L015 is present, then the other is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L001	213		O	N0	1/3	Must use

DoD Definition: [174-01] Service Loop Identifier (DG 300)
 Use value '300' to indicate service loop.
 [181-01] Fuel Surcharge Loop Identifier (DG 301)
 Use value '301' to indicate fuel surcharge loop.
 [191-01] Item Qualifier (DG 500)
 Use value '500' to satisfy X12 syntax for the Not Lowest Cost Charge Difference Loop.
 [194-01] TWCF Recovery Fee Loop Identifier (DG 600)
 Use value '600' to indicate TWCF Recovery Fee loop.

L002	220		X	R	1/11	Must use
------	-----	--	---	---	------	----------

DoD Definition: [119-02] Billed/Rated Quantity (DG 120)
 A commodity is a single type of product or material. Transportation of a commodity is usually billed/rated by units of freight weight. A line item on a transportation bill describes a single commodity. The quantity of a line item commodity is described here in the L0 segment in the HL Detail - Line Item Description Loop. One L0 segment occurs for each type pack under the line item. There may be many line items, i.e., HL Line Item Description Loop, of the same commodity. Two rules must be followed when constructing an L0 segment: 1) If the billed/rated quantity is expressed as freight weight, it appears here. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. The L004, L005, and L011 elements are not used. 2) If the billed/rated quantity is other than weight, such as barrels or gallons in the case of a pipeline shipment, it also appears here. If entry does not contain a decimal, decimal is assumed at right-most point of the field. In addition, the L004, L005, and L011 elements are used to carry the weight information, if required. For ocean shipments, enter line item weight.
 [174-02] Service Units (DG 300)
 The number of units (i.e. hours, 100 weight, etc.) for a specific additional service performed by the carrier. If this number is fractional, carry the decimal; if an integer, a decimal is not required. If service units do not apply, leave L002 and L003 blank.
 [186-02] Commodity Billed/Rated Quantity (DG 400)
 All quantities that appear in HL Line Item Description Loops must be accumulated by commodity and carried here within the HL Detail - Commodity Classification Summary Loop. A commodity is a single type of product or material. Transportation of a commodity is usually billed/rated by units of freight weight. A line item on a transportation bill describes a single commodity. The quantity of a line item commodity is described in the HL Detail - Line Item Description loop. There may be many line items (i.e., HL Detail - Line Item Description

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
		<p>loops) of the same commodity. As with line item quantities, to describe accumulated quantities, two rules must be followed when constructing an L0 segment: 1) If the accumulated billed/rated quantity is expressed as freight weight, it appears here. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. Entry should not contain a decimal; decimal is assumed at right-most point of the field. The L004, L005, and L011 elements are not used. 2) If the accumulated billed/rated quantity is other than weight, such as barrels in the case of a pipeline shipment, it also appears here. In addition, the L004, L005, and L011 elements are used to carry the accumulated weight information, if required.</p>										
L003	221		X	ID	2/2	Must use						
		<p>DoD Definition: [119-03] Billed/Rated Quantity Qualifier (DG 120) [174-03] Service Units Qualifier (DG 300) ELEMENT CONDITION: Required if L002 is used. SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments, Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set. [186-03] Commodity Billed/Rated Quantity Qualifier (DG 400)</p>										
		<p>Code Name</p> <table border="1"> <tr> <td>BA</td> <td>DoD Definition: [119-03] Barrels [186-03] Barrels</td> </tr> <tr> <td>GL</td> <td>DoD Definition: [119-03] Gallon [186-03] Gallon</td> </tr> <tr> <td>LB</td> <td>DoD Definition: [119-03] Pound [186-03] Pound</td> </tr> </table>					BA	DoD Definition: [119-03] Barrels [186-03] Barrels	GL	DoD Definition: [119-03] Gallon [186-03] Gallon	LB	DoD Definition: [119-03] Pound [186-03] Pound
BA	DoD Definition: [119-03] Barrels [186-03] Barrels											
GL	DoD Definition: [119-03] Gallon [186-03] Gallon											
LB	DoD Definition: [119-03] Pound [186-03] Pound											
L004	81		X	R	1/10	Must use						
		<p>DoD Definition: [119-04] Freight Weight (DG 120) Freight weight of line item described in pounds only. Freight weight is the weight that line haul rate is based on and may include skid, pallet, and dunnage weights, depending on the applicable tender. Skid, pallet, and dunnage weights are carried in separate MEA segments. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. See the next occurrence of the MEA segment for the weight breakdown for packing materials. Decimals are not used for ocean shipments. [126-04] Weight (DG 120) [127-04] Dimensional Weight (DG 120) When applicable, dimensional weight shall be calculated using the following formula: Length x Width x Height divided by 194 equals dimensional weight (all measurements in inches). [151-04] Shipment Gross Weight (DG 200) The total weight for the shipment. This weight includes the shipment net weight plus the tare weight. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [153-04] Shipment Tare Weight (DG 200) The actual tare weight of the shipment. Tare weight is the weight of the truck or container. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [155-04] Shipment Net Weight (DG 200) The net weight of the shipment. Net weight = freight weight + skid weight + pallet weight +</p>										

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		dunnage weight. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.				
		[157-04] Shipment Net Explosive Weight (Dry) (DG 200)				
		Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. If explosive is wet, enter value zero (0) to satisfy X12 syntax.				
		ELEMENT CONDITION: Enter net explosive weight if explosive is dry.				
		[160-04] Shipment Net Explosive Weight (Dry) (DG 200)				
		Use value zero (0) to satisfy X12 syntax.				
		[163-04] Shipment Dunnage Weight (DG 200)				
		Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.				
		[165-04] Shipment Pallet Weight (DG 200)				
		Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.				
		[167-04] Shipment Skid Weight (DG 200)				
		Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.				
		[169-04] Shipment Freight Weight (DG 200)				
		Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. The freight weight for all commodities should be accumulated and carried in the data element. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.				
		[186-04] Weight (DG 400)				
		If the commodity freight weight has not been expressed as commodity billed/rated quantity in L002, then it can be expressed here. If the commodity is bulk fuel or another commodity that requires weight in addition to units shipped, carry the commodity's freight weight here and carry the units shipped in L002 and L003. Otherwise, carry all commodity weights in the L002 and L003. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.				
L005	187		X	ID	1/2	Must use
		DoD Definition: [119-05] Freight Weight Qualifier (DG 120)				
		ELEMENT CONDITION: Required if L004 is used.				
		[126-05] Weight Qualifier (DG 120)				
		[127-05] Dimensional Weight Qualifier (DG 120)				
		[151-05] Shipment Gross Weight Qualifier (DG 200)				
		[153-05] Shipment Tare Weight Qualifier (DG 200)				
		[155-05] Shipment Net Weight Qualifier (DG 200)				
		[157-05] Shipment Net Explosive Weight Qualifier (DG 200)				
		This element is required to satisfy X12 syntax whether explosive is dry or wet.				
		[160-05] Shipment Net Explosive Weight Qualifier (DG 200)				
		This element is required to satisfy X12 syntax whether explosive is dry or wet.				
		[163-05] Shipment Dunnage Weight Qualifier (DG 200)				
		[165-05] Shipment Pallet Weight Qualifier (DG 200)				
		[167-05] Shipment Skid Weight Qualifier (DG 200)				
		[169-05] Shipment Freight Weight Qualifier (DG 200)				
		[186-05] Weight Qualifier (DG 400)				
		ELEMENT CONDITION: Required if L004 is used.				
		Code Name				
		A DoD Definition:				
		[119-05] Consolidated Weight				
		B DoD Definition:				

Code	Name
	<i>[119-05] Billed Weight</i>
C	DoD Definition: <i>[119-05] Actual Net Repeated for Combination</i>
D	DoD Definition: <i>[119-05] Destination Weight Agreement</i>
E	DoD Definition: <i>[119-05] Estimated Net Weight</i>
F	DoD Definition: <i>[119-05] Deficit Weight</i>
G	DoD Definition: <i>[119-05] Gross Weight</i> <i>[151-05] Gross Weight</i>
H	DoD Definition: <i>[119-05] Weight Per 100 Feet</i>
I	DoD Definition: <i>[119-05] Weight Per 1000 Feet</i>
J	DoD Definition: <i>[119-05] Light Weight</i>
K	DoD Definition: <i>[119-05] Clean Out</i>
L	DoD Definition: <i>[119-05] Legal Weight</i>
M	DoD Definition: <i>[119-05] Minimum Weight (for rate)</i>
N	DoD Definition: <i>[119-05] Actual Net Weight</i> <i>[155-05] Actual Net Weight</i>
O	DoD Definition: <i>[119-05] Excess Weight Over Maximum</i>
P	DoD Definition: <i>[119-05] Weight Per 100 Units</i>
Q	DoD Definition: <i>[119-05] Weight Per 1000 Units</i>
R	DoD Definition: <i>[119-05] Per Unit Dunnage</i>
S	DoD Definition: <i>[119-05] State Weight</i>
T	DoD Definition: <i>[119-05] Tare Weight</i> <i>[153-05] Tare Weight</i>
U	DoD Definition: <i>[119-05] Weight Per Unit</i>
V	DoD Definition: <i>[119-05] Non Transit Weight (On Transit Bills Only)</i>
W	DoD Definition:

Code	Name
	<i>[119-05] Transit Weight (On Transit Bills Only)</i>
X	DoD Definition: <i>[119-05] Maximum Weight (for Rate)</i>
Y	DoD Definition: <i>[119-05] Theoretical Weight</i>
Z	DoD Definition: <i>[119-05] Mutually Defined</i>
A1	DoD Definition: <i>[119-05] Dimensional Weight</i> <i>[126-05] Dimensional Weight</i> <i>[127-05] Dimensional Weight</i>
A2	DoD Definition: <i>[119-05] Reweighed By Carrier</i>
A3	DoD Definition: <i>[119-05] Shippers Weight</i>
A4	DoD Definition: <i>[119-05] Average Weight per Load</i>
CD	DoD Definition: <i>[119-05] Chargeable Dunnage</i> <i>[163-05] Chargeable Dunnage</i>
CE	DoD Definition: <i>[119-05] Certified Weight of Cargo</i> <i>[157-05] Certified Weight of Cargo</i> <i>[160-05] Certified Weight of Cargo</i>
DR	DoD Definition: <i>[119-05] Drained Weight</i>
FR	DoD Definition: <i>[119-05] Freight Weight</i> <i>[126-05] Freight Weight</i> <i>[169-05] Freight Weight</i> <i>[186-05] Freight Weight</i>
LC	DoD Definition: <i>[119-05] Maximum Lading Capacity</i>
ND	DoD Definition: <i>[119-05] Nonchargeable Dunnage</i>
NI	DoD Definition: <i>[119-05] Non-Temporary Storage Weight In</i>
NR	DoD Definition: <i>[119-05] Non-Temporary Storage Weight Re-handled</i>
NT	DoD Definition: <i>[119-05] Non-Temporary Storage Weight Out</i>
PA	DoD Definition: <i>[119-05] Pallet Weight</i> <i>[165-05] Pallet Weight</i>
RG	DoD Definition: <i>[119-05] Reweigh Gross Weight</i>
RN	DoD Definition:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		DoD Definition: [119-08] Type Pack Quantity (DG 120)				
		Enter the Type Pack Quantity. For ocean shipments, enter number of pieces.				
		[126-08] Number of Pieces (DG 120)				
		ELEMENT CONDITION: Required for ocean shipments.				
L009	211		X	ID	3/3	Must use
		DoD Definition: [119-09] Type Pack Qualifier (DG 120)				
		Code for packaging form of the lading quantity.				
		SOURCE: Reference Section 6.0 of this IC for code values using the table that contains the applicable type pack qualifier. Common code values associated with multiple definitions prevents documentation of the entire sub-set.				
		[126-09] Packaging Form Code (for number of pieces) (DG 120)				
		Code	Name			
		PCS	DoD Definition:			
			[126-09] Pieces			
L010	458		O	AN	2/25	Used
		DoD Definition: [119-10] Type Pack Sub Qualifier (DG 120)				
		Material used to protect lading.				
		ELEMENT CONDITION: Use this value to identify specific MSCVAN and SEAVAN configurations.				
		SOURCE: Reference Section 6.0 of this IC for code values using the table that contains the applicable type pack qualifier. Common code values associated with multiple definitions prevents documentation of the entire sub-set.				
		[126-10] Ammunition Lot Number (DG 120)				
		Use leading zero as necessary to provide a minimum of two characters.				
L011	188		X	ID	1/1	Must use
		DoD Definition: [119-11] Freight Weight Unit Code (DG 120)				
		ELEMENT CONDITION: Required if L004 is used.				
		[127-11] Weight Unit Code (DG 120)				
		[151-11] Shipment Gross Weight Unit Qualifier (DG 200)				
		[153-11] Shipment Tare Weight Unit Qualifier (DG 200)				
		[155-11] Shipment Net Weight Unit Qualifier (DG 200)				
		[157-11] Shipment Net Explosive Weight Qualifier (Dry) (DG 200)				
		ELEMENT CONDITION: Use this element only if explosive is dry.				
		[160-11] Shipment Net Explosive Weight Qualifier (Dry) (DG 200)				
		ELEMENT CONDITION: Use this element only if explosive is dry.				
		[163-11] Shipment Dunnage Weight Unit Qualifier (DG 200)				
		[165-11] Shipment Pallet Weight Unit Qualifier (DG 200)				
		[167-11] Shipment Skid Weight Unit Qualifier (DG 200)				
		[169-11] Shipment Freight Weight Unit Qualifier (DG 200)				
		[186-11] Weight Unit Qualifier (DG 400)				
		ELEMENT CONDITION: Required if L004 is used.				
		Code	Name			
		E	DoD Definition:			
			[119-11] Metric Ton			
			[127-11]			
			[151-11]			

Code	Name
	[153-11] [155-11] [157-11] [160-11] [163-11] [165-11] [167-11] [169-11] [186-11]
G	DoD Definition: [119-11] Grams [127-11] [151-11] [153-11] [155-11] [157-11] [160-11] [163-11] [165-11] [167-11] [169-11] [186-11]
K	DoD Definition: [119-11] Kilograms [127-11] [151-11] [153-11] [155-11] [157-11] [160-11] [163-11] [165-11] [167-11] [169-11] [186-11]
L	DoD Definition: [119-11] Pounds [127-11] [151-11] [153-11] [155-11] [157-11] [160-11] [163-11] [165-11] [167-11] [169-11] [186-11]
M	DoD Definition: [119-11] Measurement Ton [127-11] [151-11] [153-11] [155-11] [157-11] [160-11] [163-11] [165-11]

Code Name

Use 'RD' to denote Airport to Door

L013	380		X	R	1/15	Used
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DoD Definition: [119-13] Over-dimensional Pieces, Quantity (DG 120)

Used to indicate the number of oversized pieces. If there are multiple over-dimensional items (all the same size), send as one line item and indicate total quantity here. Required for ocean shipments when there is more than one set of oversized dimensions for the same item.

L015	1073		X	ID	1/1	Used
------	------	--	---	----	-----	------

DoD Definition: [119-15] Oversized Item Indicator (DG 120)

ELEMENT CONDITION: Required if L013 is used. Required for ocean shipments when there is more than one set of oversized dimensions for the same item.

Code Name

N **DoD Definition:**

[119-15] No

Y **DoD Definition:**

[119-15] Yes

DoD Segment Definition:

[119] L0 SEGMENT - Billed/Rated Quantity (DG 120)

CHANGE NOTE: Segment condition updated per DM 1043.

Repeat the L0 loop if there is more than one set of oversized dimensions for the same item.

[126] L0 SEGMENT - Ammunition Lot Number/Number of Pieces (DG 120)

LOOP CONDITION: Required for ocean shipments if shipment contains ammunition. Report pieces, weight, cube and ammunition lot number. Report also in MEA segment (Round Count).

[127] L0 SEGMENT - Dimensional Weight (DG 120)

LOOP CONDITION: Use when dimensional weight applies. Dimensional Weight is the chargeable weight computed on the basis of volume rather than actual weight. GFM will calculate the Dimensional Weight based on dimensions passed in the MEA segments. Shipper systems must provide the Dimensional Weight.

[151] L0 SEGMENT - Shipment Gross Weight (DG 200)

LOOP CONDITION: This segment is required if and only if HL SEGMENT - Gross Weight Description Loop is used.

[153] L0 SEGMENT - Shipment Tare Weight (DG 200)

LOOP CONDITION: Required if and only if HL SEGMENT - Detail - Tare Weight Description Loop is used.

[155] L0 SEGMENT - Shipment Net Weight (DG 200)

[157] L0 SEGMENT - Shipment Net Explosive Weight (Dry) (DG 200)

LOOP CONDITION: Required if and only if HL SEGMENT - Net Explosive Weight Description Loop (English) Loop is used. Then, it is required to satisfy X12 syntax whether explosive is dry or wet.

[160] L0 SEGMENT - Shipment Net Explosive Weight (Dry) (DG 200)

[163] L0 SEGMENT - Shipment Dunnage Weight (DG 200)

LOOP CONDITION: Required if and only if HL SEGMENT - Dunnage Weight Description Loop is used.

[165] L0 SEGMENT - Shipment Pallet Weight (DG 200)

LOOP CONDITION: Required if and only if HL SEGMENT - Pallet Weight Description Loop is used.

[167] L0 SEGMENT - Shipment Skid Weight (DG 200)

LOOP CONDITION: Required if and only if HL SEGMENT - Skid Weight Description Loop is used.

[169] L0 SEGMENT - Shipment Freight Weight (DG 200)

[174] L0 SEGMENT - Service Units (DG 300)

LOOP CONDITION: Required if and only if HL SEGMENT - Accessorial/Protective Services Loop is used.

[178] L0 SEGMENT - Type of Service (DG 300)

LOOP CONDITION: Required for air freight shipments.

[181] L0 SEGMENT - Fuel Surcharge Loop Identifier (DG 301)

LOOP CONDITION: Required if and only if HL SEGMENT - Fuel Surcharge Loop is used.

[186] L0 SEGMENT - Commodity Billed/Rated Quantity (DG 400)

LOOP CONDITION: Required if and only if HL SEGMENT - Commodity Classification Summary Loop is used.

[191] L0 SEGMENT - Quality Control (DG 500)

LOOP CONDITION: This segment is required only if HL SEGMENT - ITO Quality Management Info Loop Qualifier

is used.

[194] L0 SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee Loop Identifier (DG 600)

LOOP CONDITION: Required if and only if HL SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee Loop is used.

L1

Pos: 150	Max: 20
Detail - Optional	
Loop: L0	Elements: 8

User Option (Usage): Used

Syntax Rules:

1. P0203 - If either L102 or L103 is present, then the other is required.
2. P1415 - If either L114 or L115 is present, then the other is required.
3. P1718 - If either L117 or L118 is present, then the other is required.
4. R040506 - At least one of L104, L105 or L106 is required.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L102	60		X	R	1/9	Used

DoD Definition: [175-02] Service Rate (DG 300)
 [182-02] Fuel Surcharge Rate (DG 301)
 [187-02] Freight Rate (DG 400)
 Enter freight rate applied to the shipment of the commodity. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.
 [195-02] TWCF Recovery Fee Rate (DG 600)
 ELEMENT CONDITION: Used to pass the TWCF Recovery Fee rate applied per the DFTS contract.

L103	122		X	ID	2/2	Used
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DoD Definition: [175-03] Service Rate Qualifier (DG 300)
 ELEMENT CONDITION: Required if L102 is used.
 SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments, Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.
 Sample Values: FC,NM,P1,PM,XP
 [182-03] Fuel Surcharge Rate Qualifier (DG 301)
 [187-03] Freight Rate Qualifier (DG 400)
 ELEMENT CONDITION: Required if L102 is used.
 SOURCE: Reference Section 6.0 of this IC for code values using applicable Freight Rate Qualifier table. Common code values associated with multiple definitions prevents documentation of the entire sub-set.
 Sample Values:
 AV,BR,CW,DH,DR,DS,DV,ER,FC,FR,FT,HD,HM,HX,IN,LB,MA,MB,MC,MH,MN,MP,MS,MV, MW,ND,NM,NP,NV,P1,PA,PC,PD,PG,PH,PI,PM,PN,PP,PR,PS,PV,PW,PY,RL,SP,ST,VA,V H,VR,VT,VU,VV,XP
 [195-03] TWCF Recovery Fee Qualifier (DG 600)

Code	Name
PM	DoD Definition: [182-03] Per Mile
PS	DoD Definition: [195-03] Per Shipment

Code Name

PW	DoD Definition: [182-03] Percentage of Charges
VT	DoD Definition: [182-03] Per Mile per Vehicle

L104 58 X N2 1/12 Must use

DoD Definition: [120-04] Charge (DG 120)	
Code identifying the type of identification number of Depository Financial Institution (DFI)	
[175-04] Service Charge (DG 300)	
The charge for an accessorial or protective service. If the shipper does not know the charge, enter '00' in this data element. A two-position decimal is implied in this data.	
Sample Values: FC,NM,P1,PM,XP	
[179-04] Air Charge (DG 300)	
Use value '000'.	
[182-04] Fuel Surcharge (DG 301)	
The charge allowed for fuel surcharge.	
[187-04] Freight Charge (DG 400)	
The total line haul charge for the specific commodity described in L503.	
Sample Values: AV,BR,CW,DH,DR,DS,DV,ER,FC,FR,FT,HD,HM,HX,IN,LB,MA,MB,MC,MH,MN,MP,MS,MV, MW,ND,NM,NP,NV,P1,PA,PC,PD,PG,PH,PI,PM,PN,PP,PR,PS,PV,PW,PY,RL,SP,ST,VA,V H,VR,VT,VU,VV,XP	
[192-04] Not Lowest Cost Charge Difference (DG 500)	
Use value zero (0) if no charge difference is available.	
[195-04] TWCF Recovery Fee (DG 600)	
The charge allowed for TWCF recovery fee.	

Code Name

00	DoD Definition: [120-04] Use value '00' to meet X12 syntax requirements.
----	--

L108 150 O ID 3/3 Must use

DoD Definition: [175-08] Service Identifier Code (DG 300)	
Code values apply both to services requested and received.	
See Section 6.0 for valid code list.	
SOURCE: Reference Section 6.0 of this IC, beginning on page 6.14, for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.	
Sample Values: FC,NM,P1,PM,XP,045,495,500,AAM,AAS	
[179-08] Air Code (DG 300)	
[182-08] Fuel Surcharge Service Identifier (DG 301)	
[195-08] TWCF Recovery Fee Service Identifier (DG 600)	

Code Name

405	DoD Definition: [182-08] Fuel Surcharge Use '405' to denote Fuel Surcharge for Air and Fuel Adjustment for non-Air
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<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		MW,ND,NM,NP,NV,P1,PA,PC,PD,PG,PH,PI,PM,PN,PP,PR,PS,PV,PW,PY,RL,SP,ST,VA,VH,VR,VT,VU,VV,XP				
L115	122		X	ID	2/2	Must use
DoD Definition: [120-15] Rate/Value Qualifier (DG 120)						
[187-15] Declared Value Rate Qualifier (DG 400)						
ELEMENT CONDITION: Required if L114 is used.						
Sample Values: AV,BR,CW,DH,DR,DS,DV,ER,FC,FR,FT,HD,HM,HX,IN,LB,MA,MB,MC,MH,MN,MP,MS,MV,MW,ND,NM,NP,NV,P1,PA,PC,PD,PG,PH,PI,PM,PN,PP,PR,PS,PV,PW,PY,RL,SP,ST,VA,VH,VR,VT,VU,VV,XP						
Code Name						
CO		DoD Definition: [120-15] Cost per Unit Use 'CO' to denote Total Cost per TCN				
LA		DoD Definition: [187-15] Per Pound Per Article				
LB		DoD Definition: [187-15] Per Pound				
LV		DoD Definition: [187-15] Per Pound Per Vehicle				
PV		DoD Definition: [187-15] Per Vehicle				

DoD Segment Definition:

[120] L1 SEGMENT - Declared Value of Bill of Lading Line Item (DG 120)
 SEGMENT CONDITION: Declared value is required for all shipments that will be processed through a foreign host nation's customs and border clearance program.

[175] L1 SEGMENT - Service Rate (DG 300)
 SEGMENT CONDITION: Required if and only if L0 SEGMENT - Service Units is used.

[179] L1 SEGMENT - Air Code (DG 300)
 SEGMENT CONDITION: Required for air freight shipments.

[182] L1 SEGMENT - Fuel Surcharge (DG 301)
 SEGMENT CONDITION: Required if and only if L0 SEGMENT - Fuel Surcharge Loop Identifier is used.

[187] L1 SEGMENT - Freight Rate (DG 400)
 SEGMENT CONDITION: Required if and only if L0 SEGMENT - Commodity Billed/Rated Quantity is used.

[192] L1 SEGMENT - Not Lowest Cost Charge Difference (DG 500)
 SEGMENT CONDITION: Required if and only if L0 SEGMENT - Quality Control is used.

[195] L1 SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee (DG 600)
 SEGMENT CONDITION: Required if and only if L0 SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee Loop Identifier is used.

MEA

Pos: 160	Max: 10
Detail - Optional	
Loop: L0	Elements: 4

User Option (Usage): Used

Syntax Rules:

1. C0504 - If MEA05 is present, then MEA04 is required.
2. C0604 - If MEA06 is present, then MEA04 is required.
3. E0803 - Only one of MEA08 or MEA03 may be present.
4. L07030506 - If MEA07 is present, then at least one of MEA03, MEA05 or MEA06 is required.
5. R03050608 - At least one of MEA03, MEA05, MEA06 or MEA08 is required.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MEA01	737		O	ID	2/2	Must use

DoD Definition: [121-01] Packaging Material Qualifier (DG 120)
 Weight breakout per type pack per commodity per shipment unit is carried in the MEA segment. For each type of packing material weight breakout, use an individual MEA segment.

[122-01] Shipped Dimensions Information Qualifier (DG 120)
 [123-01] Net Explosive Weight Qualifier (DG 120)
 [124-01] Net Explosive Quantity Qualifier (DG 120)
 [125-01] Round Count Qualifier (DG 120)
 [158-01] Shipment Net Explosive Weight Qualifier (Wet) (DG 200)
 [161-01] Shipment Net Explosive Weight Qualifier (Wet) (DG 200)

Code Name

CT	DoD Definition: [125-01] Counts
DN	DoD Definition: [121-01] Dunnage Dimension
NX	DoD Definition: [123-01] Net Explosive Weight [158-01] Net Explosive Weight [161-01] Net Explosive Weight
PA	DoD Definition: [121-01] Pallet Dimensions
SD	DoD Definition: [122-01] Shipped Dimensions
SK	DoD Definition: [121-01] Skid Dimensions
WT	DoD Definition: [124-01] Weights Use 'WT' to denote Net Explosive Quantity

MEA02	738		O	ID	1/3	Must use
-------	-----	--	---	----	-----	----------

DoD Definition: [121-02] Packaging Material Weight Qualifier (DG 120)
 [122-02] Shipped Dimensions Qualifier (DG 120)

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<i>GFM will calculate oversize dimensions from shipper provided information.</i>				
		Code Name				
		B DoD Definition: [121-02] Billed Weight				
		HT DoD Definition: [122-02] Height				
		LN DoD Definition: [122-02] Length				
		WD DoD Definition: [122-02] Width				
MEA03	739		X	R	1/20	Must use
		DoD Definition: [121-03] Packaging Material Weight (DG 120) <i>The weight for any component of the packaging material (e.g. skid, pallet, dunnage weights). Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.</i>				
		[122-03] Shipped Dimensions Units (DG 120) <i>Use for values of oversize dimensions.</i>				
		[123-03] Net Explosive Weight (DG 120) <i>If net explosive weight is available for an individual line item, carry that weight in this data element. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.</i>				
		[124-03] Net Explosive Quantity (DG 120) <i>Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.</i>				
		[125-03] Round Count (DG 120)				
		[158-03] Shipment Net Explosive Weight (Wet) (DG 200) <i>Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.</i>				
		[161-03] Shipment Net Explosive Weight (Wet) (DG 200) <i>Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.</i>				
MEA04	C001		X	Comp		Must use
		DoD Definition: [121-04] Unit or Basis for Measurement Code (DG 120) <i>C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter.</i>				
		[122-04] Unit or Basis for Measurement Code (DG 120) <i>C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter.</i>				
		[123-04] Composite Unit of Measurement Code (DG 120)				
		[124-04] Composite Unit of Measurement Code (DG 120)				
		[125-04] Composite Unit of Measurement Code (DG 120)				
		[158-04] Composite Unit of Measure (Wet) (DG 200)				
		<i>C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter.</i>				
		[161-04] Composite Unit of Measure (DG 200) <i>C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter.</i>				
MEA04-01	355		M	ID	2/2	Used
		DoD Definition: [121-04-01] Unit or Basis for Measurement Code (DG 120)				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		By placing code value 'PN' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element.				
		[122-04-01] English Measurement Code (DG 120)				
		By placing code value 'FT' or 'IN' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element.				
		[123-04-01] Net Explosive Weight Qualifier (English) (DG 120)				
		Both metric and English units are required to comply with 49 CFR 171.10. By placing these code values (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. Use 'GA' if explosive is wet. Use 'PN' if explosive is dry.				
		[124-04-01] Net Explosive Quantity Qualifier (Metric) (DG 120)				
		By placing these code values (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. Use 'KG' if explosive is dry. Use 'LT' if explosive is wet.				
		[125-04-01] Round Count Qualifier (DG 120)				
		By placing code value 'RO' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element.				
		[158-04-01] Shipment Net Explosive Weight Qualifier (Wet) (DG 200)				
		By placing code value 'GA' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element.				
		[161-04-01] Shipment Net Explosive Weight Qualifier (Wet) (DG 200)				
		By placing code value 'LT' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element.				

Code Name

FT	DoD Definition: [122-04-01] Foot
GA	DoD Definition: [123-04-01] Gallon [158-04-01] Gallon
IN	DoD Definition: [122-04-01] Inch
KG	DoD Definition: [124-04-01] Kilogram
LT	DoD Definition: [124-04-01] Liter [161-04-01] Liter
PN	DoD Definition: [121-04-01] Pounds Net [123-04-01] Pounds Net
RO	DoD Definition: [125-04-01] Round

DoD Segment Definition:

[121] MEA SEGMENT - Packaging Material Weight (DG 120)
 SEGMENT CONDITION: Use to provide weight breakout per type pack per commodity per shipment unit.

[122] MEA SEGMENT - Shipped Dimensions (DG 120)
 SEGMENT CONDITION: Required if the shipment is oversize or if air shipment. (GFM needs dimensions to cost air shipment.) All dimensions are required for all 3PL carrier shipments.

[123] MEA SEGMENT - Net Explosive Weight (English) (DG 120)
 For OCONUS shipments, NEW facilitates compliance with 1MDGC.
 SEGMENT CONDITION: Required for all shipment modes; include if available. English (and metric) units are required to comply with 49 CFR 171.10.

[124] MEA SEGMENT - Net Explosive Quantity (Metric) (DG 120)

For OCONUS shipments, NEW facilitates compliance with 1MDGC.

SEGMENT CONDITION: Required if available. Metric (and English) units are required to comply with 49 CFR 171.10.

[125] MEA SEGMENT - Round Count (DG 120)

SEGMENT CONDITION: Required if shipment contains ammunition.

[158] MEA SEGMENT - Shipment Net Explosive Weight (Wet) (DG 200)

SEGMENT CONDITION: Use this segment only if explosive is wet.

[161] MEA SEGMENT - Shipment Net Explosive Weight (Wet) (DG 200)

SEGMENT CONDITION: Use this segment only if explosive is wet.

Loop

Pos: 170 Repeat: 100
 Optional
 Loop: LH1 Elements: N/A

User Option (Usage): Used

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
170	LH1		O	1		Used
180	LH2		O	4		Used
190	LH3		O	12		Used
191	LFH		O	20		Used
210	LHR		O	10		Used

LH1

Pos: 170	Max: 1
Detail - Optional	
Loop: LH1	Elements: 7

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LH101	355		M	ID	2/2	Used

DoD Definition: [128-01] HAZMAT - Unit Of Measure Code (DG 190)
 Contains the code identifying the Unit of Measure (type of packaging) for which the data in LH102 is reported. Use LH106 to express weight and volume.
 SOURCE: Reference Section 6.0 of this IC for code values using applicable tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.
 Sample Values: BA,BD,BG,BX,CH
 [188-01] HAZMAT - Unit Of Measure Code (DG 400)
 Use 'ZZ' in this data element and zero (0) in LH102 to indicate commodity requires a HAZMAT indicator.

<u>Code</u>	<u>Name</u>
ZZ	DoD Definition: [188-01] Mutually Defined

LH102	80		M	N0	1/7	Used
-------	----	--	---	----	-----	------

DoD Definition: [128-02] HAZMAT - Lading Quantity (DG 190)
 Contains the number of units (pieces) of the lading commodity that is Hazardous.
 SOURCE: 49 CFR 172.202(c)
 Sample Values: BA,BD,BG,BX,CH
 [188-02] HAZMAT - Lading Quantity (DG 400)
 Use the value zero (0).

LH103	277		O	ID	6/6	Must use
-------	-----	--	---	----	-----	----------

DoD Definition: [128-03] HAZMAT - UN/NA ID Code (DG 190)
 SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications
 Sample Values: BA,BD,BG,BX,CH

LH106	355		O	ID	2/2	Used
-------	-----	--	---	----	-----	------

DoD Definition: [128-06] HAZMAT - English Measurement Code (DG 190)
 Use the unit of measure codes for quantity or volume of non bulk shipments. This will typically be pounds, cubic feet, or a unit of measure other than pieces. If the weight of the hazardous material is measured in other than the above listed Weight Units of Measure, refer to X12 Standard, DE 355. Use LH101 to express type of packaging.
 ELEMENT CONDITION: Required if LH107 is used. At least one LH106/LH107 or LFH05/LFH06 are required to pass the HAZMAT unit of measure and quantity. If an English and Metric unit of measure are available, both are required.
 Sample Values: BA,BD,BG,BX,CH

<u>Code</u>	<u>Name</u>
20	DoD Definition: [128-06] 20 Foot Container

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

Sample Values: BA,BD,BG,BX,CH

LH109	665		O	ID	1/1	Used
-------	-----	--	---	----	-----	------

DoD Definition: [128-09] HAZMAT - Residue Indicator Code (DG 190)

Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded.

Use code value 'R' to indicate that the unit being shipped is empty and contains a residue from a prior movement.

SOURCE: 49 CFR 172.203(e)

Sample Values: BA,BD,BG,BX,CH

Code Name

R **DoD Definition:**

[128-09] Residue Last Contained Description (Tank Car)

LH110	254		O	ID	1/3	Used
-------	-----	--	---	----	-----	------

DoD Definition: [128-10] HAZMAT - Packing Group Code (DG 190)

Indicate the required packing group using Roman Numeral I, II, or III to indicate the degree of danger.

SOURCE: 49 CFR, Table 172.101

Sample Values: BA,BD,BG,BX,CH

DoD Segment Definition:

[128] LH1 SEGMENT - HAZMAT Quantities (DG 190)

LOOP CONDITION: DG 190 required if the shipment contains hazardous material and/or the Defense Transportation Tracking System (DTTS) is required.

[188] LH1 SEGMENT - HAZMAT Quantities (DG 400)

LOOP CONDITION: Use this segment if the commodity is hazardous material.

LH2

Pos: 180	Max: 4
Detail - Optional	
Loop: LH1	Elements: 5

User Option (Usage): Used

Syntax Rules:

1. P0607 - If either LH206 or LH207 is present, then the other is required.
2. P0809 - If either LH208 or LH209 is present, then the other is required.
3. P1011 - If either LH210 or LH211 is present, then the other is required.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH201	215		O	ID	1/30	Must use

DoD Definition: [129-01] HAZMAT - Hazardous Class/Division (DG 190)
 Identify the hazard class or division prescribed for the material as shown in column 3 of 49 CFR Table 172.101. If there is no hazard class or division, use the code in that column, such as ORM-D (Other Regulated Material), reference 49 CFR 173.2. If there is a subsidiary hazard but no hazard class or division, use code value 'NA'. A material for which the entry in this column is 'Forbidden' may not be offered for transportation nor be transported. This segment needs to be repeated for each subsidiary hazard.
 SOURCE: 49 CFR 172.101;49 CFR 173.2

LH202	983		O	ID	1/1	Must use
-------	-----	--	---	----	-----	----------

DoD Definition: [129-02] HAZMAT - Hazard Class Qualifier (DG 190)
 Repeat the LH2 segment as necessary to identify the primary and each subsidiary (secondary) hazard of the material being shipped.

Code	Name
P	DoD Definition: [129-02] Primary
S	DoD Definition: [129-02] Secondary

LH205	759		O	ID	2/2	Used
-------	-----	--	---	----	-----	------

DoD Definition: [129-05] HAZMAT - Reportable Quantity (DG 190)
 For empty packagings or units containing the residue of a hazardous material.
 ELEMENT CONDITION: Required if necessary to indicate a reportable quantity is present in the shipment.
 SOURCE: 49 CFR 172.203(e)

Code	Name
RQ	DoD Definition: [129-05] Reportable Quantity

LH206	355		X	ID	2/2	Used
-------	-----	--	---	----	-----	------

DoD Definition: [129-06] HAZMAT Flashpoint Temperature Code (DG 190)
 ELEMENT CONDITION: Required if LH207 is used.

Code	Name
CE	DoD Definition:

Code Name

[129-06] Centigrade, Celsius
Use 'CE' to denote Centigrade

FA **DoD Definition:**

[129-06] Fahrenheit

LH207 408 X R 1/4 Used

DoD Definition: [129-07] HAZMAT Flashpoint Temperature (DG 190)

DoD Segment Definition:

[129] LH2 SEGMENT - HAZMAT Classification (DG 190)
SEGMENT CONDITION: Required for loaded and unloaded HAZMAT shipments.

LH3

Pos: 190	Max: 12
Detail - Optional	
Loop: LH1	Elements: 3

User Option (Usage): Used

Syntax Rules:

1. P0102 - If either LH301 or LH302 is present, then the other is required.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH301	224		X	AN	1/25	Must use

DoD Definition: [130-01] HAZMAT - Proper Shipping Name (DG 190)
 MANDATORY for all hazardous material shipments including ammunition and explosives. Create additional LH301 segment(s) for remainder of Proper Shipping Name exceeding 25 characters.
 SOURCE: 49 CFR 172.101; 49 CFR 172.202

LH302	984		X	ID	1/1	Must use
-------	-----	--	---	----	-----	----------

DoD Definition: [130-02] HAZMAT - Proper Shipping Name Qualifier (DG 190)

Code Name

C	DoD Definition: [130-02] Canadian Shipping Name
D	DoD Definition: [130-02] Domestic (United States) Shipping Name
I	DoD Definition: [130-02] International Shipping Name

LH303	985		O	ID	3/3	Used
-------	-----	--	---	----	-----	------

DoD Definition: [130-03] HAZMAT - N.O.S. Indicator Code (DG 190)
 If this field is used, an LFH segment must follow using code value 'TEC' in LFH01.

Code Name

NOS	DoD Definition: [130-03] N.O.S. Regulatory Requirements Apply
-----	---

DoD Segment Definition:

[130] LH3 SEGMENT - HAZMAT Names (DG 190)
 SEGMENT CONDITION: Required for empty/unloaded HAZMAT shipments; this segment should contain the last contents shipping name.

LFH

Pos: 191	Max: 20
Detail - Optional	
Loop: LH1	Elements: 6

User Option (Usage): Used

Syntax Rules:

1. P0506 - If either LFH05 or LFH06 is present, then the other is required.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LFH01	808		M	ID	3/3	Used

DoD Definition: [131-01] HAZMAT - Additional Basic Description Information Qualifier (DG 190)

Contains the hazardous material shipment information qualifier indicating the type of information being passed. MANDATORY for all explosives unless otherwise noted in 49 CFR 172.320. Use interim EX-number for explosives waiting for final classification. If the X12 code definition accompanying a LFH01 code value contains text in quotations, place the part in quotations in LFH02. If the code definition contains no quotations, see the user note in LFH02 for further guidance. Use code value 'ADI' to denote 'Other information not accounted for in the code list'. Use code value 'TEC' in this data element to indicate that the N.O.S. indicator is specified in LH303. Enter additional information that must appear in association with the shipment's basic description according to 49 CFR. Use additional occurrences of LFH segment as necessary for each code that applies to shipment.

SOURCE: 49 CFR

[132-01] HAZMAT- Information Qualifier (DG 190)

Use code value 'ADI' to satisfy X12 syntax requirements.

[133-01] HAZMAT- Information Qualifier (DG 190)

Use code value 'ADI' to satisfy X12 syntax requirements.

[134-01] HAZMAT - Information Qualifier (DG 190)

Use code value 'ADI' to satisfy X12 syntax requirements.

[135-01] HAZMAT - Shipment Information Qualifier (DG 190)

Use code value 'ADI' to satisfy X12 syntax requirements.

Code Name

ADI	DoD Definition: [131-01] Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper [132-01] Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper [133-01] Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper [134-01] [135-01] Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper
CAO	DoD Definition: [134-01] Cargo Airlift Only
D13	DoD Definition: [134-01] "DOT - 113, Do Not Bump or Cut Off Car While in Motion" Declaration
DRC	DoD Definition: [134-01] Damaged Car Number
DWW	DoD Definition:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>										
		substance constituents.' If LFH01 = 'MOS', enter 'Maximum operating speed.' If LFH01 = 'MPI', enter 'Marine Pollutant.' For N.O.S. code (LFH01 = 'TEC'), enter the technical or chemical group name in parentheses. Place overflow in LFH03. Do not close parentheses until end of description is reached.														
		[132-02] HAZMAT- Round Count Identifier (DG 190)														
		Specific information required by law for hazardous material shipments.														
		Enter value 'CT' to indicate segment contains HAZMAT Round Count Information.														
		[133-02] HAZMAT- Shipment Information (DG 190)														
		Specific information required by law for hazardous material shipments.														
		Enter value 'WT' to indicate segment contains HAZMAT Metric Weight Information.														
		[134-02] HAZMAT - Shipment Information (DG 190)														
		Specific information required by law for hazardous material shipments.														
		Enter value 'NX' to indicate segment contains HAZMAT English Weight Information.														
		[135-02] HAZMAT - Shipment Information (DG 190)														
		Enter value 'NW' to indicate segment contains HAZMAT Metric Net Weight Information.														
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>CT</td> <td>DoD Definition: [132-02]</td> </tr> <tr> <td>NW</td> <td>DoD Definition: [135-02]</td> </tr> <tr> <td>NX</td> <td>DoD Definition: [134-02]</td> </tr> <tr> <td>WT</td> <td>DoD Definition: [133-02]</td> </tr> </tbody> </table>					<u>Code</u>	<u>Name</u>	CT	DoD Definition: [132-02]	NW	DoD Definition: [135-02]	NX	DoD Definition: [134-02]	WT	DoD Definition: [133-02]
<u>Code</u>	<u>Name</u>															
CT	DoD Definition: [132-02]															
NW	DoD Definition: [135-02]															
NX	DoD Definition: [134-02]															
WT	DoD Definition: [133-02]															
LFH03	809		O	AN	1/25	Used										
		DoD Definition: [131-03] HAZMAT - Additional Information (DG 190) Use for description overflow from LFH02. Use LFH01, 02, and 03 as a set and repeat loop as necessary to convey all additional basic description information.														
LFH04	1023		O	ID	1/1	Used										
		DoD Definition: [131-04] HAZMAT - Hazard Zone Code (DG 190) Contains the code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone. ELEMENT CONDITION: Use applicable Hazard Zone Code when LFH01 = PIH.														
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>A</td> <td>DoD Definition: [131-04] Hazard Zone A</td> </tr> <tr> <td>B</td> <td>DoD Definition: [131-04] Hazard Zone B</td> </tr> <tr> <td>C</td> <td>DoD Definition: [131-04] Hazard Zone C</td> </tr> <tr> <td>D</td> <td>DoD Definition: [131-04] Hazard Zone D</td> </tr> </tbody> </table>					<u>Code</u>	<u>Name</u>	A	DoD Definition: [131-04] Hazard Zone A	B	DoD Definition: [131-04] Hazard Zone B	C	DoD Definition: [131-04] Hazard Zone C	D	DoD Definition: [131-04] Hazard Zone D
<u>Code</u>	<u>Name</u>															
A	DoD Definition: [131-04] Hazard Zone A															
B	DoD Definition: [131-04] Hazard Zone B															
C	DoD Definition: [131-04] Hazard Zone C															
D	DoD Definition: [131-04] Hazard Zone D															
LFH05	355		X	ID	2/2	Must use										
		DoD Definition: [132-05] HAZMAT- Round Count Qualifier (DG 190)														

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

		[133-05] HAZMAT- Metric Measurement Code (DG 190)				
		[134-05] HAZMAT - English Net Explosive Weight Code (DG 190)				
		[135-05] HAZMAT - Metric Net Explosive Weight Code (DG 190)				

Code **Name**

2C	DoD Definition: [133-05] Roentgen
2Q	DoD Definition: [133-05] Kilobecquerel
2Y	DoD Definition: [133-05] Milliroentgen
40	DoD Definition: [133-05] Milliliter per Second
4N	DoD Definition: [133-05] Megabecquerel
GA	DoD Definition: [134-05] Gallon
GM	DoD Definition: [133-05] Grams per Sq. Meter
GR	DoD Definition: [133-05] Gram
H4	DoD Definition: [133-05] Hectoliter
HG	DoD Definition: [133-05] Hectogram
KG	DoD Definition: [133-05] Kilogram [135-05] Kilogram
KR	DoD Definition: [133-05] Kilorontgen
LT	DoD Definition: [133-05] Liter [135-05] Liter
MC	DoD Definition: [133-05] Microgram
ME	DoD Definition: [133-05] Milligram
MG	DoD Definition: [133-05] Metric Gross Ton
ML	DoD Definition: [133-05] Milliliter
MP	DoD Definition: [133-05] Metric Ton
PN	DoD Definition: [134-05] Pounds Net
R2	DoD Definition:

Code Name

[133-05] Becquerel

RO DoD Definition:

[132-05] Round

LFH06 380 X R 1/15 Must use

DoD Definition: [132-06] HAZMAT- Round Count (DG 190)

[133-06] HAZMAT- Metric Quantity (DG 190)

Use the unit of measure codes for quantity or volume of non bulk shipments. This will typically be grams, cubic meters, or a unit of measure other than pieces. If the weight of the hazardous material is measured in other than the above listed Weight Units of Measure, refer to X12 Standard, DE 355. Use LH101 to express type of packaging.

ELEMENT CONDITION: Required if LFH05 is used. At least one LH106/LH107 or LFH05/LFH06 are required to pass the HAZMAT unit of measure and quantity. If an English and Metric unit of measure are available, both are required.

[134-06] HAZMAT - English Net Explosive Weight (DG 190)

[135-06] HAZMAT - Metric Net Explosive Weight (DG 190)

DoD Segment Definition:

[131] LFH SEGMENT - HAZMAT Remarks (DG 190)

SEGMENT CONDITION: Required for HAZMAT shipments requiring specific labeling.

[132] LFH SEGMENT - Round Count (DG 190)

SEGMENT CONDITION: Required for TC-AIMS II moves only.

[133] LFH SEGMENT - HAZMAT Metric Weight (DG 190)

SEGMENT CONDITION: Required if LH107 is used. Use along with LH106 for HAZMAT explosive materials.

[134] LFH SEGMENT - Net Explosive Weight (English) (DG 190)

SEGMENT CONDITION: Required for TC-AIMS II moves only.

[135] LFH SEGMENT - Net Explosive Weight (Metric) (DG 190)

SEGMENT CONDITION: Required for TC-AIMS II moves only.

LHR

Pos: 210	Max: 10
Detail - Optional	
Loop: LH1	Elements: 2

User Option (Usage): Used

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LHR01	128		M	ID	2/3	Used

DoD Definition: [136-01] HAZMAT - DOT Explosive Approval Number Qualifier (DG 190)
 [137-01] Competent Authority Approval Number Qualifier (DG 190)
 [138-01] DOT Exemption (DOT-E) Number Qualifier (DG 190)
 [139-01] HAZMAT - Int'l Maritime Dangerous Goods Code (IMDG) Qualifier (DG 190)
 [140-01] DoDIC Qualifier (DG 190)
 Use '1I' for shipments by other than ocean. Use '6P' only for ocean shipments.
 [141-01] HAZMAT - NSN Qualifier (DG 190)

Code Name

1I	DoD Definition: [140-01] Department of Defense Identification Code (DoDIC)
6P	DoD Definition: [140-01] Group Number
HA	DoD Definition: [137-01] Competent Authority
HD	DoD Definition: [136-01] Department of Transportation Hazardous Number
HE	DoD Definition: [138-01] Hazardous Exemption Number
IM	DoD Definition: [139-01] Intergovernmental Maritime Organization (IMO) Number
NS	DoD Definition: [141-01] National Stock Number

LHR02	127		M	AN	1/30	Used
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DoD Definition: [136-02] HAZMAT - DOT Explosive Approval Number (EX-number) (DG 190)
 Product codes and national stock numbers must be traceable to the specific EX-number (also referred to as hazard classification approval number) assigned by the Associate Administrator for Hazardous Materials Safety.
 SOURCE: 49 CFR 172.320 and 173.56(b)
 [137-02] Competent Authority Approval Number (DG 190)
 Issued by Department of Transportation, approval number is CA-YYNNNNA, where Y = year, N = approval number within that year, and A is an optional alphanumeric designator. Only applicable when DoD requires an exception to the international performance oriented packaging rules.
 [138-02] DOT Exemption (DOT-E) Number (DG 190)
 Identifies the DOT Exemption to any of the 49 CFR Regulations for hazardous materials. Normally used only for domestic shipments. Can be used for international shipments but is not guaranteed to be accepted by international customs.

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		SOURCE: 49 CFR 172.2(a)				
		[139-02] HAZMAT - Int'l Maritime Dangerous Goods Code (IMDG) (DG 190)				
		[140-02] DoDIC (DG 190)				
		[141-02] HAZMAT - NSN (DG 190)				

DoD Segment Definition:

[136] LHR SEGMENT - DOT Explosive Approval Number (EX-number) (DG 190)

SEGMENT CONDITION: Required for shipment of explosive materials.

[137] LHR SEGMENT - Competent Authority Approval Number (DG 190)

SEGMENT CONDITION: Use if competent authority approval is required.

[138] LHR SEGMENT - DOT Exemption Number (DG 190)

SEGMENT CONDITION: Required when DOT exemption applies.

[139] LHR SEGMENT - Int'l Maritime Dangerous Goods Code (DG 190)

SEGMENT CONDITION: Use this segment if the hazardous shipment requires international regulation.

[140] LHR SEGMENT - DoDIC (DG 190)

SEGMENT CONDITION: Required for TC-AIMS II moves only.

[141] LHR SEGMENT - National Stock Number (NSN) (DG 190)

SEGMENT CONDITION: Required for TC-AIMS II moves only.

Loop

Pos: 230 Repeat: >1
 Optional
 Loop: FA1 Elements: N/A

User Option (Usage): Used

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
230	FA1		O	1		Used
240	FA2		M	>1		Used
250	L10		O	1		Used

FA1

Pos: 230	Max: 1
Detail - Optional	
Loop: FA1	Elements: 1

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
FA101	559		M	ID	2/2	Used

DoD Definition: [142-01] Agency Qualifier Code (DG 190)
Code identifying the agency assigning the code values.

<u>Code</u>	<u>Name</u>
DF	DoD Definition: [142-01] Department of Defense (DoD)
DN	DoD Definition: [142-01] Department of the Navy
DX	DoD Definition: [142-01] United States Marine Corps
DY	DoD Definition: [142-01] Department of Air Force
DZ	DoD Definition: [142-01] Department of Army
HS	DoD Definition: [142-01] Department of Health and Human Services Use 'HS' to denote Department of Homeland Security/US Coast Guard (DHS/USCG)

DoD Segment Definition:

[142] FA1 SEGMENT - TCN Appropriation Number Loop (DG 190)
If there is only one Transportation Accounting Code or Line of Accounting at the header level, then it applies to all shipments in that container. If there is TAC/LOA at the header level, and some of the line items in the container have their own TACs/LOAs and some do not, use the TACs/LOAs at the line item level for those specific shipments and default to the header TAC/LOA for all others. If there is an invalid TAC/LOA on a single line item we will use the header TAC/LOA.
If there is only one Transportation Accounting Code or Line of Accounting at the header level, then it applies to all shipments in that container. If there is TAC/LOA at the header level, and some of the line items in the container have their own TACs/LOAs and some do not, use the TACs/LOAs at the line item level for those specific shipments and default to the header TAC/LOA for all others. If there is an invalid TAC/LOA on a single line item we will use the header TAC/LOA.
LOOP CONDITION: Use for appropriation assignment. Carriers do not need to receive appropriation data. This segment begins the appropriation number loop. It calls for both FA1 and FA2 segments. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners.

FA2

Pos: 240	Max: >1
Detail - Mandatory	
Loop: FA1	Elements: 2

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
FA201	1196		M	ID	2/2	Used

DoD Definition: [143-01] Breakdown Structure Detail Code (DG 190)

<u>Code</u>	<u>Name</u>
84	DoD Definition: [143-01] Total Direct Costs
89	DoD Definition: [143-01] Budget Line Item
90	DoD Definition: [143-01] Project Identifier
A1	DoD Definition: [143-01] Department Indicator Use 'A1' to denote Department Regular
A2	DoD Definition: [143-01] Transfer from Department Use 'A2' to denote Department Transfer
A3	DoD Definition: [143-01] Fiscal Year Indicator
A4	DoD Definition: [143-01] Basic Symbol Number Use 'A4' to denote Main Account
A5	DoD Definition: [143-01] Sub-class
A6	DoD Definition: [143-01] Sub-Account Symbol Use 'A6' to denote Sub Account
AI	DoD Definition: [143-01] Activity Identifier
AT	DoD Definition: [143-01] Air Force Transportation Account Code (ATAC)
B1	DoD Definition: [143-01] Budget Activity Number
B2	DoD Definition: [143-01] Budget Sub-activity Number Use 'B2' to denote Sub-Allocation
B3	DoD Definition: [143-01] Budget Program Activity
BE	DoD Definition: [143-01] Business Event Type Code

Code	Name
C1	DoD Definition: <i>[143-01] Program Element</i>
C2	DoD Definition: <i>[143-01] Project Task or Budget Subline</i>
C3	DoD Definition: <i>[143-01] Budget Restriction</i> <i>Use 'C3' to denote Availability Type</i>
CC	DoD Definition: <i>[143-01] Cost Center Identifier</i>
D1	DoD Definition: <i>[143-01] Defense Agency Allocation Recipient</i>
D4	DoD Definition: <i>[143-01] Component Sub-allocation Recipient</i>
D6	DoD Definition: <i>[143-01] Sub-allotment Recipient</i>
D7	DoD Definition: <i>[143-01] Work Center Recipient</i>
E1	DoD Definition: <i>[143-01] Major Reimbursement Source Code</i>
E2	DoD Definition: <i>[143-01] Detail Reimbursement Source Code</i>
E3	DoD Definition: <i>[143-01] Customer Indicator</i>
F1	DoD Definition: <i>[143-01] Object Class</i>
F3	DoD Definition: <i>[143-01] Government or Public Sector Identifier</i>
FA	DoD Definition: <i>[143-01] Functional Area</i>
FC	DoD Definition: <i>[143-01] Funding Center Identifier</i>
FT	DoD Definition: <i>[143-01] Funding Type</i>
G2	DoD Definition: <i>[143-01] Special Interest Code or Special Program Cost Code</i>
H1	DoD Definition: <i>[143-01] Cost Code</i> <i>Use 'H1' to denote Cost Element Code</i>
I1	DoD Definition: <i>[143-01] Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)</i> <i>Use 'I1' to denote Abbreviated Department of Defense (DoD) Budget and Accounting Classification</i>
IA	DoD Definition: <i>[143-01] Security Cooperation Implementing Agency Code</i>
J1	DoD Definition:

L10

Pos: 250	Max: 1
Detail - Optional	
Loop: FA1	Elements: 3

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L1001	81		M	R	1/10	Used

DoD Definition: [144-01] Weight (DG 190)
 Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.

L1002	187		M	ID	1/2	Used
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DoD Definition: [144-02] Weight Qualifier (DG 190)

<u>Code</u>	<u>Name</u>
N	DoD Definition: [144-02] Actual Net Weight

L1003	188		O	ID	1/1	Must use
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DoD Definition: [144-03] Weight Unit Code (DG 190)

<u>Code</u>	<u>Name</u>
E	DoD Definition: [144-03] Metric Ton
G	DoD Definition: [144-03] Grams
K	DoD Definition: [144-03] Kilograms
L	DoD Definition: [144-03] Pounds
M	DoD Definition: [144-03] Measurement Ton
O	DoD Definition: [144-03] Ounces
S	DoD Definition: [144-03] Short Ton
T	DoD Definition: [144-03] Long Ton

DoD Segment Definition:

[144] L10 SEGMENT - TCN Weight (DG 190)
 SEGMENT CONDITION: Use when appropriation weight applies.

Loop

Pos: 260	Repeat: 4
Optional	
Loop: NM1	Elements: N/A

User Option (Usage): Used

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
260	NM1		O	1		Used

NM1

Pos: 260	Max: 1
Detail - Optional	
Loop: NM1	Elements: 4

User Option (Usage): Used

Syntax Rules:

1. C1110 - If NM111 is present, then NM110 is required.
2. P0809 - If either NM108 or NM109 is present, then the other is required.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
NM101	98		M	ID	2/3	Used

DoD Definition: [145-01] Personal Property Owner Qualifier (DG 190)

Code Name

OW **DoD Definition:**
[145-01] Owner of Property or Unit

NM102	1065		M	ID	1/1	Used
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DoD Definition: [145-02] Personal Property Owner Qualifier (DG 190)

Code Name

1 **DoD Definition:**
[145-02] Person

NM103	1035		O	AN	1/35	Must use
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DoD Definition: [145-03] Personal Property Owner's Last Name (DG 190)

NM104	1036		O	AN	1/25	Must use
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DoD Definition: [145-04] Personal Property Owner's First Name/Initial (DG 190)

DoD Segment Definition:

[145] NM1 SEGMENT - Personal Property Owner (DG 190)
LOOP CONDITION: Used only for OCEAN CARGO SHIPPING INSTRUCTIONS.

Loop

Pos: 290	Repeat: 4
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Used

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
290	N1		O	1		Used
300	N2		O	2		Used
310	N3		O	2		Used
320	N4		O	1		Used

N1

Pos: 290	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

Syntax Rules:

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98		M	ID	2/3	Used

DoD Definition: [146-01] Name Qualifier (MA) (DG 73)
 This qualifier identifies name and address information of the 'Mark For' ultimate consignee.

Code Name

MA **DoD Definition:**
 [146-01] Party for whom Item is Ultimately Intended

N102	93		X	AN	1/60	Used
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DoD Definition: [146-02] Name (MA) (DG 73)

N103	66		X	ID	1/2	Must use
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DoD Definition: [146-03] DoDAAC/CAGE/MAPAC Qualifier (MA) (DG 73)
 Do not use CAGE code for ocean shipments.

Code Name

10 **DoD Definition:**
 [146-03] Department of Defense Activity Address Code (DODAAC)

33 **DoD Definition:**
 [146-03] Commercial and Government Entity (CAGE)

A2 **DoD Definition:**
 [146-03] Military Assistance Program Address Code (MAPAC)

N104	67		X	AN	2/80	Must use
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DoD Definition: [146-04] DoDAAC/CAGE/MAPAC (MA) (DG 73)
 If DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the destination is required.

DoD Segment Definition:

[146] N1 SEGMENT - Mark For Addressee Information (MA) (DG 73)
 LOOP CONDITION: Use this address loop when en-route consolidation activity or any other organization or system that handles the bill of lading data needs to know the ultimate destination of the shipment. This is needed particularly for OCONUS shipments where the bill of lading moves the freight to a port to change modes to air freight or ocean container.

N2

Pos: 300	Max: 2
Detail - Optional	
Loop: N1	Elements: 1

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N201	93		M	AN	1/60	Used

DoD Definition: [147-01] Additional Name (MA) (DG 73)

DoD Segment Definition:

[147] N2 SEGMENT - Mark For Addressee Information (MA) (DG 73)
 SEGMENT CONDITION: Use when mark for addressee applies.

N3

Pos: 310	Max: 2
Detail - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166		M	AN	1/55	Used

DoD Definition: [148-01] Street (MA) (DG 73)

N302	166		O	AN	1/55	Used
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DoD Definition: [148-02] Additional Addressing Information (DG 73)

DoD Segment Definition:

[148] N3 SEGMENT - Mark For Addressee Information (MA) (DG 73)

N4

Pos: 320	Max: 1
Detail - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

Syntax Rules:

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19		O	AN	2/30	Used

DoD Definition: [149-01] City (MA) (DG 73)

N402	156		O	ID	2/2	Used
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DoD Definition: [149-02] State or Province Code (MA) (DG 73)

SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center

N403	116		O	ID	3/15	Used
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DoD Definition: [149-03] ZIP Code/Postal Code (MA) (DG 73)

SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents

N404	26		O	ID	2/3	Used
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DoD Definition: [149-04] Country Code (MA) (DG 73)

ELEMENT CONDITION: If mark for addressee is OCONUS, country code is required.

SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.

DoD Segment Definition:

[149] N4 SEGMENT - Mark For Addressee Information (MA) (DG 73)

SEGMENT CONDITION: Use when mark for addressee applies.

L3

Pos: 010	Max: 1
Summary - Optional	
Loop: N/A	Elements: 4

User Option (Usage): Must use

Syntax Rules:

1. C1201 - If L312 is present, then L301 is required.
2. P0102 - If either L301 or L302 is present, then the other is required.
3. P0304 - If either L303 or L304 is present, then the other is required.
4. P0910 - If either L309 or L310 is present, then the other is required.
5. P1415 - If either L314 or L315 is present, then the other is required.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L305	58		O	N2	1/12	Must use

DoD Definition: [196-05] Total Charge for Shipment (DG 990)
 Estimated or calculated charge for entire shipment.

L309	183		X	R	1/8	Used
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DoD Definition: [196-09] Total Cube of Shipment (DG 990)

L310	184		X	ID	1/1	Used
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DoD Definition: [196-10] Total Cube of Shipment Qualifier (DG 990)
 ELEMENT CONDITION: This qualifier must appear if total cube of shipment (L309) is used.

Code Name

E	DoD Definition: [196-10] Cubic Feet
F	DoD Definition: [196-10] 100 Board Feet
G	DoD Definition: [196-10] Gallons
H	DoD Definition: [196-10] Hundreds of Measurement Tons
S	DoD Definition: [196-10] Measurement Ton
V	DoD Definition: [196-10] Liter
X	DoD Definition: [196-10] Cubic Meters

L311	80		O	N0	1/7	Used
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DoD Definition: [196-11] Number of Carloads/Truckloads Used (DG 990)
 The total number of pieces of equipment used for the shipment. This quantity may be used to rate the cost of a shipment.

DoD Segment Definition:

[196] L3 SEGMENT - Bill of Lading Totals (DG 990)

DoD INFORMATION						X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
1	10	ST SEGMENT - Bill of Lading Header	M			1	010	M	1						
1-01	10	Transaction Set Identifier Code 858 - Shipment Information	M	ID	3/3	1	010	M	1				ST01	143	M ID 3/3
1-02	10	Transaction Set Control Number The application and structure of the control number must be agreed upon between trading partners. (For example, some applications use all nine digits where the first five might indicate a group control number and the last four represent the sequence of the transaction set within the functional group. Also, the entire nine digit field may simply represent the sequence of the transaction set generated by a trading partner.)	M	AN	4/9	1	010	M	1				ST02	329	MAN 4/9
2	10	BX SEGMENT - Bill of Lading Number	M			1	030	M	1						
2-01	10	Transaction Set Purpose Code [T_0 53/53] 00 - Original 01 - Cancellation 04 - Change 14 - Advance Notification 20 - Final Transmission	M	ID	2/2	1	030	M	1				BX01	353	M ID 2/2
2-02	10	Transportation Method Code (Mode Code) [T_0 27/27] See Section 6 for list of data values.	M	ID	1/2	1	030	M	1				BX02	91	M ID 1/2
2-03	10	Method of Payment Use only 'TP' for ocean shipments only. CC - Collect CD - Collect on Delivery	M	ID	2/2	1	030	M	1				BX03	146	M ID 2/2

PP - Prepaid (by Seller)														
TP - Third Party Pay														
2-04	10	Bill of Lading/Shipment ID Number	M	AN	8/30	1	030	M	1		BX04	145	O AN	1/30
Carry either original or most recent bill of lading number or shipment identification number here. For ocean shipments, use TCN as shipment identifier. Do not use any punctuation or special characters. [T_2 30/46]														

DoD INFORMATION						X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
2-05	10	Transportation Company Tendered To (SCAC) Use SCAC of origin carrier. SCAC should be validated against the National Motor Freight Traffic Association (NMFTA) SCAC reference file. For ocean shipments, enter 'NONE' if carrier is unknown. This entry represents the booked carrier for ocean shipments, not the carrier that actually transports the shipment. For Defense Transportation Coordination Initiative (DTCI) or Defense Freight Transportation Services (DFTS) shipments, enter the DTCI or DFTS coordinator's SCAC. SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	M	ID	2/4	1	030	M	1				BX05	140	O ID 2/4
2-07	10	Bill Purpose/Application Type Code A - Sub for Assembly <i>Use 'A' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Break-Bulk.</i> B - Bill of Lading for Individual Shipment C - Consolidated Shipment <i><i>Use 'C' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Consolidation Header (Stand-Alone).</i></i> E - Empty Equipment Billing (Non-Revenue)	M	ID	1/1	1	030	M	1				BX07	147	O ID 1/1

<p><i><i>Use 'E' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Container (Skeleton SI).</i></i></p> <p>F - Stop-off Shipment</p> <p><i><i>Use 'F' to denote Negotiated Rates for Foreign Military Sales Bills of Lading.</i></i></p> <p>G - Switch Waybill</p> <p><i><i>Use 'G' to denote Negotiated Rates for Tailored Transportation Contract Traffic Bill of Lading.</i></i></p> <p>M - Master Bill of Lading for Assembly, Distribution and Volume Shipment</p> <p><i><i>Use 'M' to denote Commercial Rates for Foreign Military Sales Bills of Lading.</i></i></p> <p>Z - Commercial Zone Pick-up</p> <p><i><i>Use 'Z' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Container.</i></i></p>	
<p>2-09 10 Vehicle Fully Loaded (Capacity Load Status) C ID 1/1 ELEMENT CONDITION: Include if shipment is tendered as truckload. F - Full Capacity</p>	<p>1 030 M 1 BX09 195 O ID 1/1</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION		
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
2-10	10	Defense Transportation Tracking System Reporting Qualifier Use of this element results in immediate Military Surface Deployment and Distribution Command (SDDC) processing for DTTS shipments. ELEMENT CONDITION: Include if the Defense Transportation Tracking System (DTTS) is required. R - Automatic Status Report Requested	C	ID	1/1	1	030	M	1			BX10	160	O ID 1/1
2-14	10	Application Type Use the following migration code value to denote the DoD definition as indicated: ELEMENT CONDITION: Use when broker. BF - [Migration Code] Broker Files	C	ID	2/2	1	030	M	1			BX14	346	O ID 2/2
3	10	BNX SEGMENT - Shipment Weight and Billing SEGMENT CONDITION: Use when weight and billing data are required.	C			1	040	O	1					
3-01	10	Shipment Weight Code [T_0 15/15] A - Shipper's Weight Agreement	M	ID	1/1	1	040	O	1			BNX01	460	O ID 1/1
3-03	10	Billing Code S - Single Shipment Billing	M	ID	1/1	1	040	O	1			BNX03	11	O ID 1/1
4	10	N9 SEGMENT - Transaction Content ID SEGMENT CONDITION: Required for all shipments except by ocean.	C			1	060	O	30					At least one of N902 or N903 is required. If N906 is present, then N905 is required.
4-01	10	Transaction Content ID Qualifier FI - File Identifier	M	ID	2/2	1	060	O	30			N901	128	M ID 2/3

DoD INFORMATION						X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
4-02	10	Transaction Content ID This data element identifies the application contents of the 858. The following DoD-unique codes should be used by all trading partners to identify the data content in the transaction set: CI - Cost Information CR - Cost Request DC - Doubtful Claim SC - Shipment and Cost Information SI - Shipment Information SM - Supplemental Claim SP - Supplemental Bill	M	AN	2/2	1	060	O	30				N902	127	C AN 1/30
5	10	N9 SEGMENT - Route Order/Release No/Emergency Routings SEGMENT CONDITION: Include this segment when moving a Tailored Transportation Contract (TTC) Traffic or SDDC routed shipment.	C			1	060	O	30						At least one of N902 or N903 is required. If N906 is present, then N905 is required.
5-01	10	Route Order/Release No/Emergency Routings Qualifier RG - Route Order Number-Domestic RH - Route Order Number-Export RJ - Route Order Number-Emergency	M	ID	2/2	1	060	O	30				N901	128	M ID 2/3
5-02	10	Route Order/Release No/Emergency Routings	M	AN	10/10	1	060	O	30				N902	127	C AN 1/30

DoD INFORMATION					X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
7-01	10	Authority Number (Contract/PO) Qualifier CT - Contract Number PO - Purchase Order Number	M	ID	2/2	1	060	O	30			N901	128	M	ID	2/3
7-02	10	Authority Number (Contract/PO) Movements under contracts need to reflect the subcontract number for ocean shipments.	M	AN	1/30	1	060	O	30			N902	127	C	AN	1/30
7-04	10	Authority Number (Contract/PO) Date	C	DT	8/8	1	060	O	30			N904	373	O	DT	8/8
8	10	N9 SEGMENT - Service Agency Code SEGMENT CONDITION: Use for Tailored Transportation Contract (TTC) Traffic only; not used for DLA. GFM will not cost DLA TTC shipments.	C			1	060	O	30							
8-01	10	Service Agency Code Qualifier SV - Service Charge Number	M	ID	2/2	1	060	O	30			N901	128	M	ID	2/3
8-02	10	Service Agency Code A - Army B - Defense Mapping Agency F - Air Force M - Marine Corps N - Navy P - Coast Guard S - Defense Logistics Agency U - GSA	M	AN	1/1	1	060	O	30			N902	127	C	AN	1/30

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W - Army and AF Exchange												
X - Multi-Service												
Y - Non DoD - except Coast Guard												
9	10	N9 SEGMENT - Container TCN		C		1	060 O	30				
SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.						At least one of N902 or N903 is required. If N906 is present, then N905 is required.						
9-01	10	TCN for Each Container Qualifier TG - Transportation Control Number (TCN)	M	ID	2/2	1	060 O	30	N901	128	M ID	2/3
9-02	10	TCN for Each Container	M	AN	17/17	1	060 O	30	N902	127	C AN	1/30

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
10	10	N9 SEGMENT - Container Transportation Tracking Number (TTN) SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS when moving unit move cargo and Transportation Tracking Number is applicable.	C	1	060	O	30						
10-01	10	Container Transportation Tracking Number (TTN) Qualifier 18 - Plan Number <i>Use '18' to denote Container Transportation Tracking Number (TTN) Qualifier.</i>	M ID 2/2	1	060	O	30				N901	128	M ID 2/3
10-02	10	Container Transportation Tracking Number (TTN)	M AN 17/17	1	060	O	30				N902	127	C AN 1/30
11	10	N9 SEGMENT - Carrier Booking Number SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS - Direct Booking. Not used otherwise.	C	1	060	O	30						
11-01	10	Carrier Booking Number Qualifier BN - Booking Number	M ID 2/2	1	060	O	30				N901	128	M ID 2/3
11-02	10	Carrier Booking Number	M AN 17/17	1	060	O	30				N902	127	C AN 1/30
12	10	N9 SEGMENT - Trade Route Number SEGMENT CONDITION: Required for ocean shipments. Identifies the trade route a shipment was booked/moved on.	C	1	060	O	30						
12-01	10	Trade Route Number Qualifier RU - Route Number	M ID 2/2	1	060	O	30				N901	128	M ID 2/3

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12-02	10	Trade Route Number	M	AN	1/4	1	060	O	30	N902	127	C	AN	1/30	
13	10	N9 SEGMENT - Vessel Name SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS - Direct Booking. Not used otherwise.	C			1	060	O	30						At least one of N902 or N903 is required. If N906 is present, then N905 is required.
13-01	10	Vessel Name Qualifier ABS - Vessel Name	M	ID	3/3	1	060	O	30	N901	128	M	ID	2/3	
13-02	10	Vessel Name Shippers should take great care in spelling vessel name correctly.	M	AN	1/30	1	060	O	30	N902	127	C	AN	1/30	

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
14	10	N9 SEGMENT - Carrier Voyage Number SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS.	C		1	060	O	30						
14-01	10	Carrier Voyage Number Qualifier V3 - Voyage Number	M	ID 2/2	1	060	O	30				N901	128	M ID 2/3
14-02	10	Carrier Voyage Number	M	AN 1/10	1	060	O	30				N902	127	C AN 1/30
15	10	N9 SEGMENT - 3rd Party Logistics Coordinator Internal C Order Number SEGMENT CONDITION: Use for shipments with an internal order number assigned by a 3rd Party Logistics (DTCI or DFTS) coordinator's transportation management system and provided in the EDI Transportation Service Response transaction to the shipper.			1	060	O	30						
15-01	10	3rd Party Logistics (DTCI or DFTS) Internal Order Number Qualifier CB - Combined Shipment <i>Use 'CB' to denote DTCL Coordinator Internal Order Number.</i> RE - Release Number <i>Use 'RE' to denote Defense Freight Transportation Services (DFTS) Internal Order Number.</i>	M	ID 2/2	1	060	O	30				N901	128	M ID 2/3
15-02	10	3rd Party Logistics (DTCI or DFTS) Internal Order Number Enter the internal order number assigned by the 3rd Party Logistics (DTCI or DFTS) coordinator's transportation management system and provided in the EDI Transportation Service Response transaction to the shipper.	M	AN 1/30	1	060	O	30				N902	127	C AN 1/30
16	10	Y7 SEGMENT - Transportation Priority Code	C		1	080	O	1						

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<p>SEGMENT CONDITION: Use this segment if Military Standard Requisitioning and Issue Procedures (MILSTRIP) apply.</p>	<p>If either Y702 or Y703 is present, then the other is required.</p>
<p>16-01 10 Transportation Priority Code M NO 1/1 1 - Level 1 2 - Level 2 3 - Level 3</p>	<p>1 080 O 1 Y701 467 O NO 1/1</p>
<p>17 10 C3 SEGMENT - Currency Code C SEGMENT CONDITION: This segment indicates the currency used for the bill of lading. The segment is not required and will not be used when currency is in U.S. Dollars.</p>	<p>1 090 O 1 Currency is implied by the code for the country in whose currency the monetary amounts are specified.</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
17-01	10	Currency Code SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	M	ID	3/3	1	090	O	1			C301	100	M	ID	3/3
					C301 is the billing currency.											
18	10	G62 SEGMENT - Bill of Lading/Shipping Instruction Prepared Date	M			1	110	O	10							
					At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.											
18-01	10	Date Bill of Lading/Shipping Instruction Prepared Date Qualifier 76 - Bill of Lading	M	ID	2/2	1	110	O	10			G6201	432	C	ID	2/2
18-02	10	Date Bill of Lading/Shipping Instruction Prepared Date The date on which the bill of lading was printed at the origin installation.	M	DT	8/8	1	110	O	10			G6202	373	C	DT	8/8
19	10	G62 SEGMENT - Desired/Required Delivery	M			1	110	O	10							
					At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.											

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19-01	10	Desired/Required Delivery Date Qualifier	M	ID	2/2	1	110	O	10	G6201	432	C	ID	2/2
<p>This qualifier must appear if desired/required delivery date is used. Under applicable ocean contracts, the Contract Delivery Date will take precedence over the Required Delivery Date. Code '67' used only for 3rd Party Logistics (Defense Transportation Coordination Initiative (DTCI) or Defense Freight Transportation Services (DFTS)) shipments.</p> <p>54 - Deliver No Later Than Date</p> <p><i>Use '54' to denote Required Delivery Date.</i></p> <p>67 - Delivered By This Date</p> <p><i>Use '67' to denote Mandatory Delivery Date.</i></p> <p>68 - Requested Delivery Date</p> <p><i>Use '68' to denote Desired Delivery Date.</i></p>														
19-02	10	Desired/Required Delivery Date	M	DT	8/8	1	110	O	10	G6202	373	C	DT	8/8
20	10	G62 SEGMENT - Carrier's Pickup	C			1	110	O	10					
<p>SEGMENT CONDITION: Not required for ocean shipments. Required for all other shipment information transactions except advanced shipment notification.</p>						<p>At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.</p>								

DoD INFORMATION					X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
20-01	10	Carrier's Pickup Date Qualifier SDDC will accept only code value '86' from shippers. 86 - Actual Pickup Date	M	ID	2/2	1	110	O	10			G6201	432	C ID 2/2
20-02	10	Carrier's Pickup Date	M	DT	8/8	1	110	O	10			G6202	373	C DT 8/8

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

DoD INFORMATION				X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
22-02	10	Adjusted Date Shipped to POE	C DT 8/8	1	110	O	10				G6202	373	C DT
22-03	10	Adjusted Time Shipped to POE Qualifier W - Effective Time	M ID 1/1	1	110	O	10				G6203	176	C ID
22-04	10	Adjusted Time Shipped to POE Use format HHMMSS.	M TM 6/6	1	110	O	10				G6204	337	C TM
22-05	10	Adjusted Time Code SOURCE: ISO 8601 available from American National Standards Institute LT - Local Time	M ID 2/2	1	110	O	10				G6205	623	O ID
23	10	G62 SEGMENT - Delivery SEGMENT CONDITION: Use segment when date of delivery is available.	C	1	110	O	10						
													At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.
23-01	10	Date of Delivery Qualifier 35 - Delivered on This Date	M ID 2/2	1	110	O	10				G6201	432	C ID
23-02	10	Date of Delivery	M DT 8/8	1	110	O	10				G6202	373	C DT
24	10	G62 SEGMENT - Sailing Date SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.	C	1	110	O	10						
													At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.
24-01	10	Sailing Date Qualifier 05 - Sailing Date	M ID 2/2	1	110	O	10				G6201	432	C ID

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24-02	10	Sailing Date	M	DT	8/8	1	110	O	10	G6202	373	C	DT
25	10	PER SEGMENT - Shipment Contact	C			1	120	O	3				
SEGMENT CONDITION: Use segment when telephone contact may be required with person receiving shipment.						If either PER03 or PER04 is present, then the other is required. If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.							
25-01	10	Shipment Contact Qualifier IC - Information Contact	M	ID	2/2	1	120	O	3	PER01	366	M	ID

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
25-03	10	Shipment Contact Qualifier AU - Defense Switched Network FT - Federal Telecommunications System (FTS) TE - Telephone	M	ID	2/2	1	120	O	3			PER03	365	C	ID	2/2
25-04	10	Shipment Contact Telephone No. Telephone number of shipment POC.	M	AN	7/21	1	120	O	3			PER04	364	C	AN	1/80
26	10	PER SEGMENT - Emergency Response Telephone No. SEGMENT CONDITION: Use segment when shipment requires an emergency telephone contact.	C			1	120	O	3							
26-01	10	Emergency Response Telephone No. Function Code EF - Emergency Contact-Military Traffic Management Command (MTMC) <i>Use 'EF' to denote Emergency Contact - Military Surface Deployment and Distribution Command (SDDC).</i>	M	ID	2/2	1	120	O	3			PER01	366	M	ID	2/2
26-02	10	Contact Name	M	AN	1/60	1	120	O	3			PER02	93	O	AN	1/60
26-03	10	Emergency Response Telephone No. Qualifier AU - Defense Switched Network IT - International Telephone TE - Telephone	M	ID	2/2	1	120	O	3			PER03	365	C	ID	2/2

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26-04	10	Emergency Response Telephone No.	M	AN	7/21	1	120	O	3	PER04	364	C	AN	1/80
27	72	F9 SEGMENT - Originating Railroad Station SEGMENT CONDITION: Use to designate origination railroad station as applicable.	C			1	140	O	1					
27-02	72	Originating Railroad Station Name of railroad station where shipment originated.	M	AN	2/19	1	140	O	1	F902	19	M	AN	2/30
										F902 is the origin station for movement.				
27-03	72	State of Originating Railroad Station SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	M	ID	2/2	1	140	O	1	F903	156	M	ID	2/2

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
27-08	72	SPLC of Originating Railroad Station SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc.	C	ID	9/9	1	140	O	1				F908	154	O ID 6/9 F908 is the Standard Point Location Code (SPLC) for the city named in the F902.
28	71	D9 SEGMENT - Destination Railroad Station SEGMENT CONDITION: Use to designate destination railroad station as applicable.	C			1	150	O	1						
28-02	71	Destination Railroad Station Name of railroad station where shipment will terminate.	M	AN	2/19	1	150	O	1				D902	19	M AN 2/30 D902 is the destination station of movement.
28-03	71	State of Destination Railroad Station SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	M	ID	2/2	1	150	O	1				D903	156	M ID 2/2
28-08	71	SPLC of Destination Railroad Station SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc.	C	ID	9/9	1	150	O	1				D908	154	O ID 6/9 D908 is the Standard Point Location Code (SPLC) for the city named in the D902.
29	10	R2 SEGMENT - Interline or 3PL Carrier SEGMENT CONDITION: For non-3PL coordinated shipments (Defense Transportation Coordination Initiative (DTCI) or Defense Freight Transportation Services (DFTS)) use this segment if interline carriers are used during shipment. However, shipper systems are not required to provide Interline Carrier Routing information for rail movements. For 3PL shipments (DTCI or DFTS), use this segment to identify the carrier to whom the 3PL coordinator has assigned the shipment.	C			1	170	O	13						If R208 is present, then R207 is required.
29-01	10	Via (Routing) SCAC For non-3PL coordinated shipments (DTCI or DFTS) enter SCAC of interline and destination carrier(s) in sequence after origin carrier. The origin carrier should not be included in an interline list. For 3PL coordinated shipments (DTCI or DFTS), enter the SCAC of the carrier to whom the 3PL coordinator assigned the shipment. SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	M	ID	2/4	1	170	O	13				R201	140	M ID 2/4

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
29-02	10	Via (Routing) SCAC Qualifier Use 'B' for 3PL shipments (DTCI or DFTS) to indicate the carrier the 3PL coordinator assigned to the shipment. 1 - 1st Carrier after Origin Carrier 2 - 2nd Carrier after Origin Carrier 3 - 3rd Carrier after Origin Carrier 4 - 4th Carrier after Origin Carrier 5 - 5th Carrier after Origin Carrier A - Origin Carrier, Agent's Routing (Rail) B - Origin/Delivery Carrier (Any Mode) D - DELY (Delivery Switch Carrier) H - Haulage Rights Carrier and Junction I - Origin Switch Carrier M - Haulage Movement Carrier and Junction O - Origin Carrier (Air, Motor, or Ocean) R - Origin Carrier, Rule 11 Shipment S - Origin Carrier, Shipper's Routing (Rail) V - Intermediate Switch Carrier	M	ID	1/1	1	170	O	13				R202	133	M ID 1/2

Z - Mutually Defined						
29-03	10	Via (Routing) Location	C	AN	2/30	1 170 O 13 R203 19 O AN 2/30 R203 is the station or city name at which carriers interchange shipments.
29-04	10	Via (Routing) SPLC SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc.	C	ID	9/9	1 170 O 13 R204 154 O ID 6/9
30	10	R4 SEGMENT - POE SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.	C			1 180 O 5 If either R402 or R403 is present, then the other is required. R4 is required for each port to be identified.
30-01	10	Port or Terminal Function Code L - Port of Loading (Operational)	M	ID	1/1	1 180 O 5 R401 115 M ID 1/1

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
30-02	10	Location Qualifier SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) IM - Military Standard Movement Procedures (MILSTAMP)	M	ID	2/2	1	180	O	5				R402	309	C ID 1/2
30-03	10	POE [T_3 21/23]	C	AN	3/3	1	180	O	5				R403	310	C AN 1/30
31	10	R4 SEGMENT - POD SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.	C			1	180	O	5						If either R402 or R403 is present, then the other is required. R4 is required for each port to be identified.
31-01	10	Port or Terminal Function Code D - Port of Discharge (Operational)	M	ID	1/1	1	180	O	5				R401	115	M ID 1/1
31-02	10	Location Qualifier SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) [T_0 20/20] IM - Military Standard Movement Procedures (MILSTAMP)	M	ID	2/2	1	180	O	5				R402	309	C ID 1/2
31-03	10	POD [T_3 21/23]	C	AN	3/3	1	180	O	5				R403	310	C AN 1/30
32	10	H3 SEGMENT - Accessorial/Protective Service SEGMENT CONDITION: Use if shipper orders accessorial services from the carrier. Use also if the Defense Transportation Tracking System (DTTS) is required.	C			1	200	O	20						Only one of H301 or H302 may be present.

32-01	10	Accessorial/Protective Service Ordered Identifier	M	ID	3/3	1	200 O	20	H301	152	C	ID	2/3
<p>Order accessorial services with this data element. To order accessorial services, the carrier industry requires the use of the H3 segment. This code also appears in the HL Accessorial/Protective Service (formerly LX 300) loop which is used to cost accessorial services. Do not use this element to order surveillance services; use the next occurrence of the H3 segment.</p>													
<p>See Section 6.0 for valid code list.</p>													
<p>SOURCE: Reference Section 6.0 of this IC beginning at page 6.14 for code values using applicable Accessorial</p>													
<p>Services for Rail Shipments, Accessorial Services for Tailored</p>													
<p>Transportation Contract Traffic Shipments,</p>													
<p>Accessorial/Protective Service For Air</p>													
<p>Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments,</p>													
<p>Miscellaneous Services, and Pipeline Shipments tables. Common code values associated</p>													
<p>with multiple definitions prevents documentation of the entire sub-set.</p>													
<p>See Section 6 for list of data values.</p>													

DoD INFORMATION					X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
33	10	H3 SEGMENT - Actual Surveillance Service and Requesting Party SEGMENT CONDITION: Use this segment when ordering surveillance services.	C		1	200	O	20						
														Only one of H301 or H302 may be present.
33-02	10	Actual Surveillance Service and Requesting Party Use this data element for requesting Surveillance Services only. See H301 for the applicable code values to enter in this data element. Do not use this data element to order accessorial services. Rather, use the H301 data element in a separate occurrence of the H3 segment for non-surveillance services. Provide the military service code to indicate the requesting party. Military service codes are: A = Army, N = Navy, F = Air Force, M = Marine Corps, P = Coast guard, and S = Defense Logistics Agency. Use a comma for the sub element delimiter between the actual service code and the requesting party.	M	AN	5/5	1	200	O	20					H302 153 C AN 2/30
34	10	E1 SEGMENT - Receiving Party For Empty Railcar LOOP CONDITION: Use when shipment employs an empty railcar.	C		1	220	O	1	2	1	E1			If either E102 or E103 is present, then the other is required.
34-01	10	Name of Receiving Party For Empty Railcar From the bill of lading continuation page.	M	AN	2/30	1	220	O	1	2	1	E1	E101	459 MAN 2/30
35	10	E4 SEGMENT - City for Receiving Empty Railcar SEGMENT CONDITION: Use when shipment employs an empty railcar.	C		1	230	O	1	2	1	E1			
35-01	10	City for Receiving Empty Railcar From the bill of lading continuation page.	M	AN	2/19	1	230	O	1	2	1	E1	E401	19 MAN 2/30
35-02	10	State for Receiving Empty Railcar From the bill of lading continuation page. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	M	ID	2/2	1	230	O	1	2	1	E1	E402	156 M ID 2/2
36	10	E5 SEGMENT - Routing SCAC SEGMENT CONDITION: Use if SCAC is applicable.	C		1	240	O	13	2	1	E1			

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36-01	10	Routing SCAC for Empty Railcar From the bill of lading continuation page. SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	M	ID	2/4	1	240	O	13	2	1	E1	E501	140	M	ID	2/4
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DoD INFORMATION				X12 SEGMENT INFORMATION								X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
36-02	10	Routing SCAC Sequence Number From the bill of lading continuation page. 1 - 1st Carrier after Origin Carrier 2 - 2nd Carrier after Origin Carrier 3 - 3rd Carrier after Origin Carrier 4 - 4th Carrier after Origin Carrier 5 - 5th Carrier after Origin Carrier	M ID 1/1	1	240	O	13	2	1	E1	E502	133	M	ID	1/2	
37	10	L7 SEGMENT - Tariff Distance SEGMENT CONDITION: Required for all modes except ocean. When used, there are different rules for CONUS and OCONUS mileages. This segment may be repeated up to two times (one for CONUS, the other for OCONUS).	C	1	270	O	30									
37-13	10	Tariff Distance (mileage) Mileage used for rating shipment.	M N0 1/5	1	270	O	30				L713	294	O	N0	1/5	
37-14	10	Distance (mileage) Qualifier M - Miles (Actual) <i>Use 'M' to denote CONUS mileage (used for ocean shipments only).</i> T - Tariff Miles <i>Use 'T' to denote OCONUS mileage.</i>	M ID 1/1	1	270	O	30				L714	295	O	ID	1/1	
38	10	NTE SEGMENT - Change Notice	C	1	280	O	50									

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SEGMENT CONDITION: Use when Change Notice applies.					The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.									
38-01	10	Change Notice Qualifier CHG - Change	M	ID	3/3	1	280	O	50	NTE01	363	O	ID	3/3
38-02	10	Change Notice Identifies the kind of change (correction) to the bill of lading. SOURCE: Reference Section 5.0 (DTEB Freight Bill of Lading Shipment Information Implementation Convention) for a description of the indicator code positions and an example of a populated indicator string.	M	AN	8/8	1	280	O	50	NTE02	352	M	AN	1/80
39	10	NTE SEGMENT - Routing Instruction Note SEGMENT CONDITION: Use when routing instruction note applies.	C			1	280	O	50					
					The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.									

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
39-01	10	Routing Instruction Note (RIN) Code Qualifier INT - General Order Instructions	M ID 3/3	1	280	O	50				NTE01	363	O ID	3/3	
39-02	10	Routing Instruction Note (RIN) Code SOURCE: USTRANSCOM J5-PT	M AN 3/3	1	280	O	50				NTE02	352	M AN	1/80	
40	10	NTE SEGMENT - Load Use SEGMENT CONDITION: Use for Defense Transportation Tracking System (DTTS) shipments.	C	1	280	O	50								
40-01	10	Load Use Qualifier LOI - Loading Instructions	M ID 3/3	1	280	O	50				NTE01	363	O ID	3/3	
40-02	10	Load Use Instructions EXCLUSIVE NONEXCLUSIVE	M AN 9/12	1	280	O	50				NTE02	352	M AN	1/80	
41	10	NTE SEGMENT - DoD Classification Instructions SEGMENT CONDITION: Use for Defense Transportation Tracking System (DTTS) shipments.	C	1	280	O	50								
41-01	10	DoD Classification Instructions Qualifier Use to denote the highest security classification of an item within the shipment (i.e. the highest classified Controlled Inventory Item Code (CIIC) within the shipment). CLR - Security Clearance Instructions <i>Use 'CLR' to denote Emergency Contact – Military Surface Deployment and Distribution Command (SDDC).</i>	M ID 3/3	1	280	O	50				NTE01	363	O ID	3/3	

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41-02	10	DoD Classification Instructions C - Confidential S - Secret U - Unclassified	M	AN	1/1	1	280	O	50	NTE02	352	M	AN	1/80
42	10	NTE SEGMENT - Shipper Instructions C SEGMENT CONDITION: Use when additional shipper instructions apply for ocean shipments.				1	280	O	50					
										The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.				
42-01	10	Shipper Instructions Code ADD - Additional Information <i>Use 'ADD' to denote Shipper Instructions to the Consignee or to the Carrier.</i>	M	ID	3/3	1	280	O	50	NTE01	363	O	ID	3/3

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
42-02 10		Shipper Instructions Enter text information from the paper bill of lading.	M	AN	1/80	1	280	O	50				NTE02	352	M AN 1/80
43		60 N7 SEGMENT - Primary Equipment Furnished LOOP CONDITION: For ocean shipments, this information is needed to facilitate Customs clearance. If the bill of lading is for movements using motor, rail, or bulk fuel conveyances, DG 60 must appear. Use as many N7 loops as required to identify equipment furnished.	C			1	330	O	1	600	1	N7			If either N703 or N704 is present, then the other is required. If either N705 or N716 is present, then the other is required. If either N708 or N709 is present, then the other is required.
43-01 60		Primary Equipment Initials For rail shipments, this data element is MANDATORY; it carries the equipment prefix used to describe railcars, trailers, and containers. For motor and air shipments, if the value in N702 is other than 'NONE', or the equipment initials are not available, use the SCAC. Primary equipment is that equipment ordered by the shipper from the carrier. That equipment type ordered, or its equivalent, is furnished by the carrier and used in the transportation of the shipment. The shipper pays only for the primary equipment ordered. For ocean shipments, use the initials on the container (never the carrier SCAC). ELEMENT CONDITION: For rail shipments, this data element is MANDATORY; it carries the equipment prefix used to describe railcars, trailers, and containers. SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association.	C	AN	1/4	1	330	O	1	600	1	N7	N701	206	O AN 1/4 N701 is mandatory for rail transactions.
43-02 60		Primary Equipment Numbers For rail shipments, this data element carries the serial number of the railcars, trailers, and containers. For motor and air shipments, if specific equipment is not ordered, carry the word 'NONE' in this data element. [T_2 4/8]	M	AN	1/10	1	330	O	1	600	1	N7	N702	207	M AN 1/10
43-03 60		Weight Capacity Primary Equipment Furnished Express in 1000 LB units. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	C	N0	3/3	1	330	O	1	600	1	N7	N703	81	C R 1/10

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43-04 60 Weight Capacity Primary Equipment Furnished Qualifier ELEMENT CONDITION: Required if N705 is used. N - Actual Net Weight	C ID 1/1 1 330 O 1 600 1 N7 N704 187 C ID 1/2
43-08 60 Cube Capacity Primary Equipment Furnished ELEMENT CONDITION: Include if the carrier provides equipment different than that which was ordered, or if reporting the internal cube of a container.	C R 1/8 1 330 O 1 600 1 N7 N708 183 C R 1/8

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
43-09	60	Cube Capacity Primary Equipment Furnished Qualifier ELEMENT CONDITION: This qualifier must appear if cube capacity carrier equipment furnished is used. E - Cubic Feet	C	ID	1/1	1	330	O	1	600	1	N7	N709	184	C	ID 1/1
43-13	60	Temperature Control Use to specify temperature setting for reefer shipments. For ocean shipments Indicate minimum and maximum temperature.	C	AN	3/6	1	330	O	1	600	1	N7	N713	319	O	AN 3/6
43-15	60	Length Capacity Primary Equipment Furnished ELEMENT CONDITION: Include if the carrier provides equipment different than that which was ordered.	C	N0	4/5	1	330	O	1	600	1	N7	N715	567	O	N0 4/5
43-22	60	Type of Equipment Furnished Left justify the code and fill to the right with the lower case 'x' until a length of four characters is attained. SOURCE: Reference Section 6.0 of this IC for code values using applicable Air, Containers, Motor and TOFC (Dimensions are Outside Dimensions), Other Methods, Rail, and Water tables. See Section 6 for list of data values.	M	ID	4/4	1	330	O	1	600	1	N7	N722	24	O	ID 4/4
44	60	EM SEGMENT - Date Primary Equipment Furnished SEGMENT CONDITION: Use if equipment was furnished (for the current N7 loop).	C			1	331	O	1	600	1	N7				If EM02 is present, then EM01 is required. If EM04 is present, then EM03 is required.
44-07	60	Date Enter date that equipment was furnished for the current N7 loop.	M	DT	8/8	1	331	O	1	600	1	N7	EM07	373	O	DT 8/8 EM07 is the last inspection date for convention of safe container.
45	60	NA SEGMENT - Secondary Equipment Furnished SEGMENT CONDITION: Required if use of secondary equipment applies.	C			1	335	O	30	600	1	N7				If NA01 is present, then NA02 is required.
45-03	60	Secondary Equipment Initials	M	AN	1/4	1	335	O	30	600	1	N7	NA03	206	M	AN 1/4

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For rail Trailer on Flatcar/Container on Flatcar (TOFC/COFC) shipments, this data element carries the equipment initials of the flatcar used to convey the trailer/container (primary equipment ordered). When the shipper orders a trailer/container, the carrier supplies a flatcar to convey the trailer/container (primary equipment). The trailer is considered secondary equipment. The shipper incurs no cost for the use of secondary equipment.

SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association

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NA03 contains the equipment initial of an associated shipment and is required by rail.

If unknown, use NONZ for van or NONU for container.

DoD INFORMATION						X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
45-04	60	Secondary Equipment Numbers For rail Trailer on Flatcar/Container on Flatcar (TOFC/COFC) shipments, this data element carries the equipment serial number of the flatcar used to convey the trailer/container (primary equipment ordered). When the shipper orders a trailer/container, the carrier supplies a flatcar to convey the trailer/container (primary equipment). The trailer is considered secondary equipment. The shipper incurs no cost for the use of secondary equipment. If a number is not available, send value 'xxxx' per shipper's instructions.	M	AN	1/10	1	335 O	30	600	1	N7	NA04	207	M AN	1/10
															NA04 contains the equipment number of an associated shipment.
45-05	60	Cross Reference Type Code ELEMENT CONDITION: Use to further identify secondary equipment when shipment is by rail. F - Conveying Flat Car	C	ID	1/1	1	335 O	30	600	1	N7	NA05	231	O ID	1/1
46	60	M7 SEGMENT - Seals SEGMENT CONDITION: Required if seals are applied to the primary equipment.	C			1	340 O	5	600	1	N7				
46-01	60	Seal Number Additional seal numbers should be carried in M702, M703, and M704.	M	AN	2/15	1	340 O	5	600	1	N7	M701	225	M AN	2/15
46-02	60	Additional Seal Number	C	AN	2/15	1	340 O	5	600	1	N7	M702	225	O AN	2/15
46-03	60	Additional Seal Number	C	AN	2/15	1	340 O	5	600	1	N7	M703	225	O AN	2/15
46-04	60	Additional Seal Number	C	AN	2/15	1	340 O	5	600	1	N7	M704	225	O AN	2/15
46-05	60	Seal Numbers Applied By Qualifier CA - Carrier SH - Shipper	M	ID	2/2	1	340 O	5	600	1	N7	M705	98	O ID	2/3
															M705 indicates the name of the organization which applied the seal(s).
47	60	N5 SEGMENT - Primary Equipment Ordered SEGMENT CONDITION: Required if primary equipment was ordered.	C			1	350 O	1	600	1	N7				
															If either N507 or N508 is present, then the other is required.

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47-01	60	Length Capacity Primary Equipment Ordered Format is FFFII where 8000 is 80 ft.	C	N0	4/5	1	350 O	1	600 1	N7	N501	567 O N0	4/5
47-02	60	Weight Capacity Primary Equipment Ordered	C	N0	2/3	1	350 O	1	600 1	N7	N502	233 O N0	2/3
47-03	60	Cubic Capacity Primary Equipment Ordered	C	N0	2/4	1	350 O	1	600 1	N7	N503	203 O N0	2/4

DoD INFORMATION				X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
47-04	60	Type of Equipment Ordered SOURCE: Reference Section 6.0 of this IC for code values using applicable Air, Containers, Motor and TOFC (Dimensions are Outside Dimensions), Other Methods, Rail, and Water tables. Codes utilized for this data element are DOD Equipment Type codes, and should not be confused with Car Type codes from the Association of American Railroads (AAR). See Section 6 for list of data values.	M ID 4/4	1	350	O	1	600	1	N7	N504	301	O ID	1/4
48	60	REF SEGMENT - Tractor Number SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.	C	1	360	O	5	600	1	N7			At least one of REF02 or REF03 is required.	
48-01	60	Tractor Number Qualifier EQ - Equipment Number	M ID 2/2	1	360	O	5	600	1	N7	REF01	128	M ID	2/3
48-02	60	Tractor Number The tractor number carried in this data element is the power unit for the trailer described in the N7 segment of the same equipment loop. This data element is required only for tracking shipments monitored by DTTS.	M AN 1/10	1	360	O	5	600	1	N7	REF02	127	C AN	1/30
49	70	N1 SEGMENT - Transportation Company Tendered To (CA) LOOP CONDITION: DG 70 is required if the Defense Transportation Tracking System (DTTS) is required.	C	1	390	O	1	12	1	N1			At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.	
49-01	70	Transportation Company Tendered To (CA) Qualifier CA - Carrier	M ID 2/2	1	390	O	1	12	1	N1	N101	98	M ID	2/3
49-02	70	Transportation Company Tendered To Name (CA)	M AN 1/35	1	390	O	1	12	1	N1	N102	93	C AN	1/60
50	70	PER SEGMENT - Transportation Company Dispatcher Contact	C	1	440	O	3	12	1	N1				

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SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.

If either PER03 or PER04 is present, then the other is required.
If either PER05 or PER06 is present, then the other is required.
If either PER07 or PER08 is present, then the other is required.

50-01	70	Transportation Company Dispatcher Contact Qualifier EM - Emergency Contact	M	ID	2/2	1	440	O	3	12	1	N1	PER01	366	M	ID	2/2
50-03	70	Transportation Company Dispatcher Telephone Number Qualifier TE - Telephone	M	ID	2/2	1	440	O	3	12	1	N1	PER03	365	C	ID	2/2
50-04	70	Transportation Company Dispatcher Telephone Number	M	AN	7/21	1	440	O	3	12	1	N1	PER04	364	C	AN	1/80

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
51	71	N1 SEGMENT - Destination (ST)	M	1	390	O	1	12	1	N1					
				At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.											
51-01	71	Destination Name (ST) Qualifier This qualifier identifies name and address information of the carrier's delivery location. ST - Ship To	M ID 2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
51-02	71	Destination Name (ST)	C AN 1/35	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
51-03	71	Destination DoDAAC/CAGE/MAPAC Qualifier Do not use CAGE code for ocean shipments. 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE) A2 - Military Assistance Program Address Code (MAPAC)	M ID 2/2	1	390	O	1	12	1	N1	N103	66	C	ID	1/2
51-04	71	Destination DoDAAC/CAGE/MAPAC If DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the destination is required.	M AN 5/6	1	390	O	1	12	1	N1	N104	67	C	AN	2/80
				This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.											
52	71	N2 SEGMENT - Destination (ST)	C	1	400	O	2	12	1	N1					
				SEGMENT CONDITION: Use if additional destination name applies.											
52-01	71	Additional Name (ST)	M AN 1/35	1	400	O	2	12	1	N1	N201	93	M	AN	1/60

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
54-02	71	State Code (ST) ELEMENT CONDITION: Field is MANDATORY if rail shipment. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	1	420	O	1	12	1	N1	N402	156	O ID 2/2
54-03	71	ZIP/Postal Code (ST) There should be no special characters, punctuation, or blanks. ELEMENT CONDITION: Field is MANDATORY if rail shipment. SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	ID	3/15	1	420	O	1	12	1	N1	N403	116	O ID 3/15
54-04	71	Country Code ELEMENT CONDITION: If destination is OCONUS, country code is required. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C	ID	2/3	1	420	O	1	12	1	N1	N404	26	O ID 2/3
54-05	71	Destination SPLC (ST) Qualifier ELEMENT CONDITION: SPLC is required for CONUS, but not OCONUS, shipments. SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) SL - U.S. SPLC	C	ID	2/2	1	420	O	1	12	1	N1	N405	309	C ID 1/2
54-06	71	Destination SPLC (ST) ELEMENT CONDITION: Nine-digit SPLCs are required for costing. SPLC is provided for CONUS shipments but not OCONUS.	C	AN	9/9	1	420	O	1	12	1	N1	N406	310	O AN 1/30
55	71	PER SEGMENT - DTTS Destination (ST) SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.	C			1	440	O	3	12	1	N1			If either PER03 or PER04 is present, then the other is required. If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.

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55-01 71 Destination (ST) Contact Qualifier EM - Emergency Contact	M ID 2/2	1 440 O 3 12 1 N1 PER01 366 M ID 2/2
55-03 71 Destination (ST) Phone Number Qualifier AU - Defense Switched Network TE - Telephone	M ID 2/2	1 440 O 3 12 1 N1 PER03 365 C ID 2/2

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
55-04	71	Destination (ST) Contact Phone Number Both commercial and DSN phone numbers are required for ammunition shipments.	M AN 7/21	1	440	O	3	12	1	N1	PER04	364	C	AN	1/80
56	72	N1 SEGMENT - Origin (SF)	M	1	390	O	1	12	1	N1					
At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.															
56-01	72	Origin Name (SF) Qualifier This qualifier identifies the name and address information of the carrier's pickup location. SF - Ship From	M ID 2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
56-02	72	Origin Name (SF) ELEMENT CONDITION: If issuing GBLOC is unavailable (N406='IOOI') or origin DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the origin is required.	C AN 1/35	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
56-03	72	Origin DoDAAC/CAGE/MAPAC Qualifier Do not use CAGE code for ocean shipments. 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE) A2 - Military Assistance Program Address Code (MAPAC)	M ID 2/2	1	390	O	1	12	1	N1	N103	66	C	ID	1/2
56-04	72	Origin DoDAAC/CAGE/MAPAC If origin DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the origin is required in N102.	M AN 5/6	1	390	O	1	12	1	N1	N104	67	C	AN	2/80
This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.															

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57	72	N2 SEGMENT - Origin (SF) SEGMENT CONDITION: Use if origin additional name applies.	C					1	400	O	2	12	1	N1					
57-01	72	Additional Name (SF)	M	AN	1/35			1	400	O	2	12	1	N1	N201	93	M	AN	1/60
58	72	N3 SEGMENT - Origin (SF) SEGMENT CONDITION: Use if origin street address applies.	C					1	410	O	2	12	1	N1					
58-01	72	Street (SF)	M	AN	1/35			1	410	O	2	12	1	N1	N301	166	M	AN	1/55
58-02	72	Additional Addressing Information	C	AN	1/35			1	410	O	2	12	1	N1	N302	166	O	AN	1/55

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
59		72 N4 SEGMENT - Origin (SF) SEGMENT CONDITION: Use if origin city, state, and ZIP Code apply.	C		1	420	O	1	12	1	N1			If N406 is present, then N405 is required.	
59-01		72 City (SF) ELEMENT CONDITION: Field is MANDATORY if rail shipment.	C	AN	2/19	1	420	O	1	12	1	N1	N401	19	O AN 2/30 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
59-02		72 State (SF) ELEMENT CONDITION: Field is MANDATORY if rail shipment. Also use for province if shipment is Canadian. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	I	2/2	1	420	O	1	12	1	N1	N402	156	O ID 2/2 N402 is required only if city name (N401) is in the U.S. or Canada.
59-03		72 ZIP/Postal Code (SF) Field is MANDATORY if rail shipment. There should be no special characters, punctuation, or blanks. ELEMENT CONDITION: Field is MANDATORY if rail shipment. SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	ID	3/15	1	420	O	1	12	1	N1	N403	116	O ID 3/15
59-04		72 Country Code (SF) ELEMENT CONDITION: If origin is OCONUS, country code is required. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C	ID	2/3	1	420	O	1	12	1	N1	N404	26	O ID 2/3

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<p>59-05 72 Shipping Point SPLC (SF) Qualifier C ID 2/2 ELEMENT CONDITION: Required if N406 is used. SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) SL - U.S. SPLC</p>	<p>1 420 O 1 12 1 N1 N405 309 C ID 1/2</p>
<p>59-06 72 Shipping Point SPLC (SF) C AN 9/9 Nine-digit SPLCs are required for costing. SPLC is provided for CONUS shipments but not OCONUS.</p>	<p>1 420 O 1 12 1 N1 N406 310 O AN 1/30</p>
<p>60 72 PER SEGMENT - DTTS Origin (SF) C SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.</p>	<p>1 440 O 3 12 1 N1 If either PER03 or PER04 is present, then the other is required. If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
60-01	72	Origin (SF) Contact Qualifier EM - Emergency Contact	M ID 2/2	1	440	O	3	12	1	N1	PER01	366	M	ID	2/2
60-03	72	Origin (SF) Phone Number Qualifier AU - Defense Switched Network TE - Telephone	M ID 2/2	1	440	O	3	12	1	N1	PER03	365	C	ID	2/2
60-04	72	Origin (SF) Contact Phone Number Both commercial and DSN phone numbers are required for ammunition shipments.	M AN 7/21	1	440	O	3	12	1	N1	PER04	364	C	AN	1/80
61	73	N1 SEGMENT - Consignee (CN)	M	1	390	O	1	12	1	N1	At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.				
61-01	73	Consignee (CN) Name Qualifier This qualifier identifies the installation transportation office responsible for the shipment at the final destination. CN - Consignee	M ID 2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
61-02	73	Consignee Name (CN) ELEMENT CONDITION: If consignee GBLOC is unavailable (N406='!OO!') or consignee DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the consignee is required.	C AN 1/35	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
61-03	73	Consignee DoDAAC/CAGE/MAPAC Qualifier Do not use CAGE code for ocean shipments. 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE) A2 - Military	M ID 2/2	1	390	O	1	12	1	N1	N103	66	C	ID	1/2

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Assistance Program Address Code (MAPAC)															
61-04	73	Consignee DoDAAC/CAGE/MAPAC	M AN 5/6	1	390	O	1	12	1	N1	N104	67	C	AN	2/80
If DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the consignee is required in N102.				This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.											
62	73	N2 SEGMENT - Consignee (CN)	C	1	400	O	2	12	1	N1					
SEGMENT CONDITION: Use if consignee additional name applies.															
62-01	73	Additional Name (CN)	M AN 1/35	1	400	O	2	12	1	N1	N201	93	M	AN	1/60

DoD INFORMATION						X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
63	73	N3 SEGMENT - Consignee (CN) SEGMENT CONDITION: Use if consignee street address applies.	C			1	410 O	2	12	1	N1				
63-01	73	Street (CN)	M	AN	1/35	1	410 O	2	12	1	N1	N301	166	M AN 1/55	
63-02	73	Additional Addressing Information	C	AN	1/35	1	410 O	2	12	1	N1	N302	166	O AN 1/55	
64	73	N4 SEGMENT - Consignee (CN) SEGMENT CONDITION: Required for all shipments except ocean. Provides required data when shipment is by rail or when consignee is OCONUS. May be used also when consignee city, state, and ZIP Code apply.	C			1	420 O	1	12	1	N1			If N406 is present, then N405 is required.	
64-01	73	City (CN) ELEMENT CONDITION: Field is MANDATORY if rail shipment.	C	AN	2/19	1	420 O	1	12	1	N1	N401	19	O AN 2/30 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.	
64-02	73	State (CN) ELEMENT CONDITION: Field is MANDATORY if rail shipment. Also use for province if shipment is Canadian. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	1	420 O	1	12	1	N1	N402	156	O ID 2/2 N402 is required only if city name (N401) is in the U.S. or Canada.	
64-03	73	ZIP Code/Postal Code (CN) There should be no special characters, punctuation, or blanks. ELEMENT CONDITION: Field is MANDATORY if rail shipment. SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S. Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	ID	3/15	1	420 O	1	12	1	N1	N403	116	O ID 3/15	

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64-04	73	Country Code (CN)	C	ID	2/3	1	420 O	1	12	1	N1	N404	26	O ID	2/3
<p>ELEMENT CONDITION: If consignee is OCONUS, country code is required.</p> <p>SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm.</p> <p>Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.</p>															

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
64-05	73	Consignee (CN) GBLOC Qualifier ELEMENT CONDITION: Required for all shipments except by ocean. SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) BL - Government Bill of Lading Office Code (GBLOC)	C ID 2/2	1	420	O	1	12	1	N1	N405	309	C	ID	1/2
64-06	73	Consignee (CN) GBLOC ELEMENT CONDITION: If GBLOC is unavailable enter value 'IOO!'. Then, the clear text name of the consignee is required in N102.	C AN 4/4	1	420	O	1	12	1	N1	N406	310	O	AN	1/30
65	74	N1 SEGMENT - Shipper (SH)	M	1	390	O	1	12	1	N1	At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.				
65-01	74	Shipper Name (SH) Qualifier This qualifier identifies the installation transportation office responsible for the shipment at origin. SH - Shipper	M ID 2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
65-02	74	Shipper Name (SH) ELEMENT CONDITION: If shipper DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the shipper is required.	C AN 1/35	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
65-03	74	Shipper DoDAAC/CAGE/MAPAC Qualifier (SH) Do not use CAGE code for ocean shipments. 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE) A2 - Military Assistance Program Address Code (MAPAC)	M ID 2/2	1	390	O	1	12	1	N1	N103	66	C	ID	1/2

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65-04	74	Shipper DoDAAC/CAGE/MAPAC (SH)	M	AN	5/6	1	390	O	1	12	1	N1	N104	67	C	AN	2/80	
<p>If shipper DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the shipper is required.</p>						<p>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.</p>												
66	74	N2 SEGMENT - Shipper (SH)	C			1	400	O	2	12	1	N1						
<p>SEGMENT CONDITION: Use if shipper additional name applies.</p>																		
66-01	74	Additional Name (SH)	M	AN	1/35	1	400	O	2	12	1	N1	N201	93	M	AN	1/60	
67	74	N3 SEGMENT - Shipper (SH)	C			1	410	O	2	12	1	N1						
<p>SEGMENT CONDITION: Use if shipper street address applies.</p>																		

DoD INFORMATION							X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes				Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
67-01	74	Street (SH)	M	AN	1/35	1	410	O	2	12	1	N1	N301	166	M AN 1/55	
67-02	74	Additional Addressing Information	C	AN	1/35	1	410	O	2	12	1	N1	N302	166	O AN 1/55	
68	74	N4 SEGMENT - Shipper (SH) SEGMENT CONDITION: Use if shipper city, state, and ZIP Code apply.	C			1	420	O	1	12	1	N1			If N406 is present, then N405 is required.	
68-01	74	City (SH) ELEMENT CONDITION: Field is required for rail shipments.	C	AN	2/19	1	420	O	1	12	1	N1	N401	19	O AN 2/30 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.	
68-02	74	State (SH) ELEMENT CONDITION: Field is required for if rail shipments. Also use for province if shipment is Canadian. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	1	420	O	1	12	1	N1	N402	156	O ID 2/2 N402 is required only if city name (N401) is in the U.S. or Canada.	
68-03	74	ZIP Code/Postal Code (SH) There should be no special characters, punctuation, or blanks. ELEMENT CONDITION: Field is required for rail shipments. SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	ID	3/15	1	420	O	1	12	1	N1	N403	116	O ID 3/15	

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68-04	74	Country Code (SH) ELEMENT CONDITION: If shipper is OCONUS, country code is required. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C	ID	2/3	1	420 O	1	12	1	N1	N404	26	O ID	2/3
69	75	N1 SEGMENT - Diversion/Reconsignment To (TT) LOOP CONDITION: Required if shipment requires diversion/reconsignment destination.	C			1	390 O	1	12	1	N1				
69-01	75	Diversion/Reconsignment (TT) To Qualifier Location that shipment is diverted/reconsigned to. TT - Transfer To	M	ID	2/2	1	390 O	1	12	1	N1	N101	98	M ID	2/3
69-02	75	Diversion/Reconsignment (TT) To City Carry the city name that pertains to the SPLC.	M	AN	2/19	1	390 O	1	12	1	N1	N102	93	C AN	1/60

DoD INFORMATION					X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
70	75	N4 SEGMENT - Diversion/Reconsignment To Country Code (TT) C SEGMENT CONDITION: If shipment is CONUS, SPLC is required. If OCONUS, country code is required.			1	420	O	1	12	1	N1				
70-04	75	Country Code ELEMENT CONDITION: If diversion/reconsignment is OCONUS, country code is required. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C	ID	2/3	1	420	O	1	12	1	N1	N404	26	O ID 2/3
70-05	75	Diversion/Reconsignment (TT) To SPLC Qualifier Required if N406 is used. SL - U.S. SPLC	C	ID	2/2	1	420	O	1	12	1	N1	N405	309	C ID 1/2
70-06	75	Diversion/Reconsignment (TT) To SPLC	C	AN	9/9	1	420	O	1	12	1	N1	N406	310	O AN 1/30
71	76	N1 SEGMENT - Diversion/Reconsignment From (T4) LOOP CONDITION: DG 76 required if shipment requires diversion/reconsignment destination.	C			1	390	O	1	12	1	N1			
71-01	76	Diversion/Reconsignment (T4) From Qualifier T4 - Transfer Point	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M ID 2/3
71-02	76	Diversion/Reconsignment (T4) From Location that shipment was diverted/reconsigned from. Carry the city name that pertains to the SPLC.	M	AN	1/19	1	390	O	1	12	1	N1	N102	93	C AN 1/60
72	76	N4 SEGMENT - Diversion/Reconsignment (T4)	C			1	420	O	1	12	1	N1			

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72-05	76	Diversion/Reconsignment (T4) From SPLC Qualifier	M	ID	2/2	1	420	O	1	12	1	N1	N405	309	C	ID	1/2
SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) SL - U.S. SPLC																	
72-06	76	Diversion/Reconsignment (T4) From SPLC	M	AN	9/9	1	420	O	1	12	1	N1	N406	310	O	AN	1/30
73	77	N1 SEGMENT - Bill Charges To (PO)	M			1	390	O	1	12	1	N1	At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.				

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
73-01	77	Bill Charges To (PO) Qualifier PO - Party to Receive Invoice for Goods or Services	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M ID 2/3
73-02	77	Bill Charges To (PO)	C	AN	1/35	1	390	O	1	12	1	N1	N102	93	C AN 1/60
73-03	77	Bill Charges To (PO) DoDAAC/CAGE/MAPAC Qualifier code for ocean shipments. ELEMENT CONDITION: Required if N104 is used. 10 - Department of Defense Activity Address Code (DODAAC) 33 Commercial and Government Entity (CAGE) A2 - Military Assistance Program Address Code (MAPAC)	C	ID	2/2	1	390	O	1	12	1	N1	N103	66	C ID 1/2
73-04	77	Bill Charges To (PO) DoDAAC/CAGE/MAPAC	C	AN	5/6	1	390	O	1	12	1	N1	N104	67	C AN 2/80
74	77	N2 SEGMENT - Bill Charges To (PO) SEGMENT CONDITION: Use if additional name is required for party to whom charges are billed. If available provide additional name to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC.	C			1	400	O	2	12	1	N1			
74-01	77	Additional Name (PO)	M	AN	1/35	1	400	O	2	12	1	N1	N201	93	M AN 1/60
75	77	N3 SEGMENT - Bill Charges To (PO) SEGMENT CONDITION: Use if street address is required for party to whom charges are billed. f available provide street address to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC.	C			1	410	O	2	12	1	N1			

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
76-02	77	State (PO) SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	1	420	O	1	12	1	N1	N402	156	O	ID 2/2
N402 is required only if city name (N401) is in the U.S. or Canada.																
76-03	77	ZIP Code/Postal Code (PO) SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	ID	3/15	1	420	O	1	12	1	N1	N403	116	O	ID 3/15
77	78	N1 SEGMENT - Issuing Office (IU)	M			1	390	O	1	12	1	N1				
At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.																
77-01	78	Issuing Office (IU) Name Qualifier IU - Issuer	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M	ID 2/3
77-02	78	Issuing Office (IU) Name	M	AN	1/35	1	390	O	1	12	1	N1	N102	93	C	AN 1/60
78	78	N2 SEGMENT - Issuing Office (IU) SEGMENT CONDITION: Use if additional name is required for issuing office.	C			1	400	O	2	12	1	N1				
78-01	78	Additional Name (IU)	M	AN	1/35	1	400	O	2	12	1	N1	N201	93	M	AN 1/60
79	78	N3 SEGMENT - Issuing Office (IU) SEGMENT CONDITION: Use if street address is required for issuing office.	C			1	410	O	2	12	1	N1				
79-01	78	Street (IU)	M	AN	1/35	1	410	O	2	12	1	N1	N301	166	M	AN 1/55
79-02	78	Additional Addressing Information	C	AN	1/35	1	410	O	2	12	1	N1	N302	166	O	AN 1/55
80	78	N4 SEGMENT - Issuing Office (IU)	C			1	420	O	1	12	1	N1				

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80-01	78	City (IU)	C	AN	2/19	1	420	O	1	12	1	N1	N401	19	O	AN	2/30
						A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.											
80-02	78	State (IU)	C	ID	2/2	1	420	O	1	12	1	N1	N402	156	O	ID	2/2
SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center						N402 is required only if city name (N401) is in the U.S. or Canada.											

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
80-03	78	ZIP Code/Postal Code (IU) SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	AN	3/15	1	420	O	1	12	1	N1	N403	116	O ID	3/15
80-05	78	Issuing Office (IU) GBLOC Qualifier SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) BL - Government Bill of Lading Office Code (GBLOC)	M	ID	2/2	1	420	O	1	12	1	N1	N405	309	C ID	1/2
80-06	78	Issuing Office (IU) GBLOC This element must contain a valid GBLOC. Do not use 'IOOI'.	M	AN	4/4	1	420	O	1	12	1	N1	N406	310	O AN	1/30
81	78	PER SEGMENT - Name of Issuing Officer (IU) SEGMENT CONDITION: Use if name of issuing officer is required.	C			1	440	O	3	12	1	N1				
81-01	78	Name of Issuing Officer Qualifier IO - Issuing Officer	M	ID	2/2	1	440	O	3	12	1	N1	PER01	366	M ID	2/2
81-02	78	Name of Issuing Officer	M	AN	1/35	1	440	O	3	12	1	N1	PER02	93	O AN	1/60
82	79	N1 SEGMENT - FOB Point (KX) LOOP CONDITION: Use if FOB point applies.	C			1	390	O	1	12	1	N1				
82-01	79	FOB Point (KX) Qualifier KX - Free on Board Point	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M ID	2/3

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82-02	79	FOB Point (KX) Carry actual FOB point name in this data element.	M	AN	1/35	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
83	79	N4 SEGMENT - FOB Point SEGMENT CONDITION: Use if FOB point applies.	C			1	420	O	1	12	1	N1					
83-01	79	FOB Point (City) Named In Contract	C	AN	2/19	1	420	O	1	12	1	N1	N401	19	O	AN	2/30
																	A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
83-02	79	FOB Point (State) Named In Contract SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	1	420	O	1	12	1	N1	N402	156	O	ID	2/2
																	N402 is required only if city name (N401) is in the U.S. or Canada.

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
83-05	79	FOB SPLC Qualifier ELEMENT CONDITION: Required if N406 is used. SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) SL - U.S. SPLC	C	ID	1/2	1	420	O	1	12	1	N1	N405	309	C	ID 1/2
83-06	79	FOB SPLC	C	AN	9/9	1	420	O	1	12	1	N1	N406	310	O	AN 1/30
84	80	S5 SEGMENT - Stop Data LOOP CONDITION: DG 80 required if the shipment requires inside pickup, inside delivery, stops, and objective service supply deliveries. The S5 loop must occur for each unique action that occurs at an enroute location. If a pickup and delivery action are performed at the same enroute location, the S5 loop must occur once for the pickup, and once for the delivery. The origin address is not included in this loop. The split pickup and split delivery addresses are included in this loop. For example, if a shipment makes a stop location and unloads an item, then moves to an inside address and unloads and loads an item, three actions have affected the shipment at two locations. Consequently, the 858 must contain three S5 loops, one for each action.	C			1	450	O	1	999	1	S5				
84-01	80	Stop Sequence Number If the shipment stops enroute to the final destination, enter the sequence number of the stop location here. This sequence number needs to appear in the 100 Detail - Line Item Header Information Loop with each commodity that is picked up and/or delivered at that stop. [T_9 D-14 72/73]	M	NO	1/2	1	450	O	1	999	1	S5	S501	165	M	NO 1/3
84-02	80	Stop Reason Code LD - Load UL - Unload	M	ID	2/2	1	450	O	1	999	1	S5	S502	163	M	ID 2/2

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84-10	80	<p>Stop SPLC Code</p> <p>Nine-digit SPLCs are required for costing of all shipments except by ocean. SPLC not used OCONUS.</p> <p>SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc.</p>	C	ID	9/9	1	450	O	1	999	1	S5	S510	154	O	ID	6/9
84-11	80	<p>Stop Accomplish Code</p> <p>A - Accomplished</p> <p>P - Pending</p>	C	ID	1/1	1	450	O	1	999	1	S5	S511	190	O	ID	1/1

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
85	80	G62 SEGMENT - Stop Arrival/Departure Times SEGMENT CONDITION: Required if stop/pickup applies.	C	1	460	O	6	999	1	S5				
85-01	80	Stop Date(s) Qualifier 69 - Scheduled Pick-Up Date 70 - Scheduled Delivery Date	M ID 2/2	1	460	O	6	999	1	S5	G6201	432	C ID 2/2	
85-02	80	Stop Date(s) Use to satisfy claims and discrepancies. Scheduled date on which stop will occur.	M DT 8/8	1	460	O	6	999	1	S5	G6202	373	C DT 8/8	
85-03	80	Stop Arrival/Departure Times Qualifier ELEMENT CONDITION: Required if G6204 is used. 8 - Actual Pickup Time 9 - Actual Delivery Time A - Actual Departure Time	C ID 1/1	1	460	O	6	999	1	S5	G6203	176	C ID 1/2	
85-04	80	Stop Arrival/Departure Times Scheduled time at which stop will occur. Use time format HHMM.	C TM 4/4	1	460	O	6	999	1	S5	G6204	337	C TM 4/8	
86	80	N1 SEGMENT - Stop Name of Party to Receive Shipment	M	1	490	O	1	5	2	N1				
86-01	80	Stop Name Of Party To Receive Shipment Qualifier LP - Loading Party UP - Unloading Party	M ID 2/2	1	490	O	1	5	2	N1	N101	98	M ID 2/3	

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86-02	80	Stop Name Of Party To Receive Shipment ELEMENT CONDITION: If stop DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the stop is required.	C	AN	1/35	1	490	O	1	5	2	N1	N102	93	C	AN	1/60
86-03	80	Stop DoDAAC/CAGE/MAPAC Qualifier Do not use CAGE code for ocean shipments. 10 - Department of Defense Activity Address Code (DODAAC) 33 Commercial and Government Entity (CAGE) A2 - Military Assistance Program Address Code (MAPAC)	M	ID	2/2	1	490	O	1	5	2	N1	N103	66	C	ID	1/2

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
86-04	80	Stop DoDAAC/CAGE/MAPAC If stop DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the stop is required. [T_9 D-14 74/79]	M	AN	5/6	1	490	O	1	5	2	N1	N104	67	C AN 2/80
					This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.										
87		80 N2 SEGMENT - Stop Name of Party to Receive Shipment SEGMENT CONDITION: Use if stop name of party to receive shipment applies.	C			1	500	O	2	5	2	N1			
87-01	80	Additional Name	M	AN	1/35	1	500	O	2	5	2	N1	N201	93	M AN 1/60
88		80 N3 SEGMENT - Stops SEGMENT CONDITION: Use if stop street address of party to receive shipment applies.	C			1	510	O	2	5	2	N1			
88-01	80	Street	M	AN	1/35	1	510	O	2	5	2	N1	N301	166	M AN 1/55
88-02	80	Additional Addressing Information	C	AN	1/35	1	510	O	2	5	2	N1	N302	166	O AN 1/55
89		80 N4 SEGMENT - Stops SEGMENT CONDITION: Use if stop city/state of party to receive shipment applies.	C			1	520	O	1	5	2	N1			
					If N406 is present, then N405 is required.										
89-01	80	City	C	AN	2/19	1	520	O	1	5	2	N1	N401	19	O AN 2/30
					A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.										
89-02	80	State	C	ID	2/2	1	520	O	1	5	2	N1	N402	156	O ID 2/2

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<p>Also use for province if shipment is Canadian. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center</p>	<p>N402 is required only if city name (N401) is in the U.S. or Canada.</p>
<p>89-03 80 Stop ZIP Code/Postal Code C ID 3/15 SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents</p>	<p>1 520 O 1 5 2 N1 N403 116 O ID 3/15</p>
<p>89-04 80 Country Code C ID 2/3 ELEMENT CONDITION: If stop is OCONUS, country code is required. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.</p>	<p>1 520 O 1 5 2 N1 N404 26 O ID 2/3</p>

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
90	80	PER SEGMENT - Stop Communication Numbers SEGMENT CONDITION: Use if stop communication numbers apply.	C			1	540	O	3	5	2	N1				
90-01	80	Stop Communication Numbers Qualifier IC - Information Contact	M	ID	2/2	1	540	O	3	5	2	N1	PER01	366	M	ID 2/2
90-03	80	Stop Communication Numbers Contact Qualifier IT - International Telephone TE - Telephone	M	ID	2/2	1	540	O	3	5	2	N1	PER03	365	C	ID 2/2
90-04	80	Stop Communication Numbers Contact	M	AN	7/21	1	540	O	3	5	2	N1	PER04	364	C	AN 1/80
91	10	FA1 SEGMENT - Appropriation LOOP CONDITION: Carriers do not need to receive appropriation data. This segment begins the appropriation number loop. It calls for both FA1 and FA2 segments. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners. If there is only one Transportation Accounting Code or Line of Accounting at the header level, then it applies to all shipments in that container. If there is TAC/LOA at the header level, and some of the line items in the container have their own TACs/LOAs and some do not, use the TACs/LOAs at the line item level for those specific shipments and default to the header TAC/LOA for all others. If there is an invalid TAC/LOA on a single line item we will use the header TAC/LOA.	C			1	550	O	1	> 1	1	FA1				
91-01	10	Agency Qualifier Code Code identifying the agency assigning the code values. DF - Department of Defense (DoD) DN - Department of the Navy	M	ID	2/2	1	550	O	1	>1	1	FA1	FA101	559	M	ID 2/2
																FA101 Identifies the organization controlling the assignment of financial accounting information.

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DX - United States Marine Corps DY - Department of Air Force DZ - Department of Army HS - Department of Health and Human Services <i>Use 'HS' to denote Department of Homeland Security/US Coast Guard (DHS/USCG).</i>																				
92	10	FA2 SEGMENT - Appropriation Breakdown Structure				M	1	560	M	> 1	> 1	1	FA1							
This segment is MANDATORY if and only if the FA1 SEGMENT - Appropriation segment is used. Otherwise, this segment may not be used.																				
92-01	10	Breakdown Structure Detail Code				M	ID	2/2	1	560	M	>1	>1	1	FA1	FA201	1196	M	ID	2/2
See Section 6 for list of data values.																				

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
92-02	10	Financial Information Code When FA201 contains code value '84', FA202 should be formatted as a dollar amount including a decimal character and two positions after the decimal, representing cents even if the value is a whole dollar amount.	M AN 1/80	1	560	M	>1	>1	1	FA1	FA202	1195	M	AN	1/80
93	10	L10 SEGMENT - Appropriation Weight This segment is MANDATORY if and only if the FA1 SEGMENT - Appropriation segment is used. Otherwise, this segment may not be used.	M	1	570	O	1	>1	1	FA1					
93-01	10	Weight Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	M R 1/8	1	570	O	1	>1	1	FA1	L1001	81	M	R	1/10
93-02	10	Weight Qualifier N - Actual Net Weight	M ID 1/1	1	570	O	1	>1	1	FA1	L1002	187	M	ID	1/2
93-03	10	Weight Unit Code E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	M ID 1/1	1	570	O	1	>1	1	FA1	L1003	188	O	ID	1/1

<p>94 100 HL SEGMENT - Line Item Detail M</p>	<p>2 010 M 1 >1 1 HL</p> <p>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.</p> <p>The HL segment defines a top-down/left-right ordered structure.</p>
<p>94-01 100 Detail - Line Item Description Loop M N0 1/12</p> <p>Use the value '1' for the first HL loop and increment by 1 for each successive HL loop, regardless of usage of the HL loop. An HL Line Item Description Loop is generated for each DG 100. A shipment unit is identified by a single Transportation Control Number (TCN). Each commodity description cites the TCN it is grouped under. A shipment unit may cite multiple commodities. DG 100, commodity header information, describes one commodity (NMFC, UFC, DoD unique). The commodity detail information, DG 120, describes the type pack information in the L0 loop.</p> <p>There can be multiple type packs per line item.</p>	<p>2 010 M 1 >1 1 HL HL01 628 M AN 1/12</p> <p>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.</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
94-03		100 Hierarchical Level Code This code identifies the Line Item Description Loop. I - Item	M ID 1/1	2	010	M	1	>1	1	HL	HL03	735	M ID 1/2	
95		100 N7 SEGMENT - Primary Equipment Identifier SEGMENT CONDITION: This segment is required in the line item detail if the shipment moves on multiple pieces of primary equipment. Use this segment to associate the line item with the primary equipment on which it is conveyed. Associate with equipment identified in N7 segment, DataGroup 60.	C	2	020	O	1	> 1	1	HL				
95-01		100 Primary Equipment Initials This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes initials of the furnished primary equipment in/on which the commodity is conveyed. SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association [T_2 9/12]	C AN 1/4	2	020	O	1	>1	1	HL	N701	206	O AN 1/4	
95-02		100 Primary Equipment Numbers This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes numbers on the furnished primary equipment in/on which the commodity is conveyed. [T_4 9/14]	M AN 1/10	2	020	O	1	>1	1	HL	N702	207	M AN 1/10	
96		100 NA SEGMENT - Shipper Equipment	C Numbers	2	030	O	1	> 1	1	HL				

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<p>SEGMENT CONDITION: This segment required to indicate the mapping for shipper equipment numbers when applicable. Shipper equipment is that equipment/vehicle which is supplied/owned by the shipper. This includes DROMs, containers, and vans. Shipper owned vehicles, like trucks, jeeps, and tanks, are identified using a different mapping of the NA segment in the HL Line Item Description Loop. See the following occurrence of the NA segment for mapping of vehicles information.</p>	<p>If NA01 is present, then NA02 is required.</p>
<p>96-03 100 Shipper Equipment Initials M AN 4/4 DODV - DoD Van and Container DROM - Dromedary Equipment</p>	<p>2 030 O 1 >1 1 HL NA03 206 M AN 1/4 NA03 contains the equipment initial of an associated shipment and is required by rail. If unknown, use NONZ for van or NONU for container.</p>
<p>96-04 100 Shipper Equipment Numbers M AN 1/10 Use for Initials and Serial Number of the Shipper Owned Containers/DROMs.</p>	<p>2 030 O 1 >1 1 HL NA04 207 M AN 1/10 NA04 contains the equipment number of an associated shipment.</p>
<p>97 100 NA SEGMENT - Military Vehicle Identification C SEGMENT CONDITION: This segment required to indicate the mapping for shipper owned vehicles when applicable. This includes cars, jeeps, tanks, and trucks. See the previous occurrence of the NA segment for mapping of shipper equipment information. The model number maps to NTE SEGMENT - Vehicle Model Number.</p>	<p>2 030 O 1 >1 1 HL If NA01 is present, then NA02 is required.</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
97-01	100	Military Vehicle Identification/Serial Number Qualifier ELEMENT CONDITION: Required if NA02 is used. SE - Serial Number VT - Motor Vehicle ID Number	C ID 2/2	2	030	O	1	>1	1	HL	NA01	128	O ID	2/3
97-02	100	Military Vehicle Identification/Serial Number Use VIN to describe the vehicles being moved.	C AN 1/30	2	030	O	1	>1	1	HL	NA02	127	C AN	1/30
97-03	100	Military Vehicle Initials (Filler) NONX - Vehicle	M AN 4/4	2	030	O	1	>1	1	HL	NA03	206	M AN	1/4
97-04	100	Military Vehicle Bumper Number Use 'NONE' if bumper number is unavailable.	M AN 1/10	2	030	O	1	>1	1	HL	NA04	207	M AN	1/10
98	100	M7 SEGMENT - Seals SEGMENT CONDITION: Required when seals are applied.	C	2	040	O	5	>1	1	HL				
98-01	100	Seals On Shipper Owned Equipment Use to describe seal applied to equipment (Containers, DROMs) owned by the shipper. [T_9 D-13 66/73]	M AN 2/15	2	040	O	5	>1	1	HL	M701	225	M AN	2/15
99	100	N9 SEGMENT - Requisition Number SEGMENT CONDITION: Required if available.	C	2	100	O	10	>1	1	HL				
99-01	100	Requisition Number Qualifier RQ - Purchase Requisition Number	M ID 2/2	2	100	O	10	>1	1	HL	N901	128	M ID	2/3

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<p>99-02 100 Requisition Number M AN 14/17 The requisition number which corresponds to the line item is carried in this data element. [T_9 D-13 78/79]</p>	<p>2 100 O 10 >1 1 HL N902 127 C AN 1/30</p>
<p>100 100 N9 SEGMENT - Shipment Unit Contract C Number SEGMENT CONDITION: Use this segment if the contract number used to purchase the shipment unit is available.</p>	<p>2 100 O 10 > 1 1 HL At least one of N902 or N903 is required. If N906 is present, then N905 is required.</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
100-01	100	Authority Number (Contract) Qualifier The contract number qualifier which corresponds to the shipment unit. CT - Contract Number	M ID 2/2	2	100	O	10	>1	1	HL	N901	128	M ID 2/3	
100-02	100	Authority Number (Contract) The contract number which corresponds to the shipment unit.	M AN 1/30	2	100	O	10	>1	1	HL	N902	127	C AN 1/30	
100-04	100	Authority Number (Contract) Date The contract number date which corresponds to the shipment unit.	C DT 8/8	2	100	O	10	>1	1	HL	N904	373	O DT 8/8	
101	100	N9 SEGMENT - Shipment Unit Purchase Order Number SEGMENT CONDITION: Use this segment if the purchase order (PO) number used to purchase the shipment unit is available.	C	2	100	O	10	>1	1	HL				
													At least one of N902 or N903 is required. If N906 is present, then N905 is required.	
101-01	100	Authority Number (PO) Qualifier The purchase order number qualifier which corresponds to the shipment unit. PO - Purchase Order Number	M ID 2/2	2	100	O	10	>1	1	HL	N901	128	M ID 2/3	
101-02	100	Authority Number (PO) The purchase order number which corresponds to the shipment unit.	M AN 1/30	2	100	O	10	>1	1	HL	N902	127	C AN 1/30	
101-04	100	Authority Number (PO) Date The purchase order number date which corresponds to the shipment unit.	C DT 8/8	2	100	O	10	>1	1	HL	N904	373	O DT 8/8	
102	100	N9 SEGMENT - TCN	M	2	100	O	10	>1	1	HL				
													At least one of N902 or N903 is required. If N906 is present, then N905 is required.	
102-01	100	TCN Qualifier 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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<p>102-02 100 TCN - Transportation Control Number M AN 17/17 Every line item (HL Line Item Description Loop) should identify the TCN with which it is associated. [T_9 D-13 78/79]</p>	<p>2 100 O 10 >1 1 HL N902 127 C AN 1/30</p>
<p>102-07 Transportation Tracking Number (TTN) C CE Composite Header COMPOSITE CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.</p>	<p>2 100 O 10 > 1 1 HL N907 C040 O CE If either C04003 or C04004 is present, then the other is required. If either C04005 or C04006 is present, then the other is required.</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
102-07-01		Transportation Tracking Number (TTN) Qualifier 18 - Plan Number <i>Use '18' to denote Transportation Tracking Number (TTN).</i>	M	ID	2/2	2	100	O	10	>1	1	HL	C04001 128	M ID	2/3
102-07-02		Transportation Tracking Number (TTN).	M	AN	17/17	2	100	O	10	>1	1	HL	C04002 127	MAN	1/30
103 Part		100 N9 SEGMENT - National Stock No./Manufacturer's C No. SEGMENT CONDITION: Required if available.				2	100	O	10	> 1	1	HL			
103-01		100 National Stock No./Manufacturer's Part No. Qualifier This qualifier must appear if NSN is used. Use Manufacturer's Part Number if NSN is not available. HS - Harmonized Code System (Canada) JY - Origin of Shipment Harmonized-Based Code LY - Destination of Shipment Harmonized-Based Code MF - Manufacturers Part Number NS - National Stock Number	M	ID	2/2	2	100	O	10	>1	1	HL	N901 128	M ID	2/3
103-02		100 National Stock No./Manufacturer's Part No. [T_9 D-13 78/79]	M	AN	1/30	2	100	O	10	>1	1	HL	N902 127	C AN	1/30
104		100 N9 SEGMENT - Project Code SEGMENT CONDITION: Required if project code is used.				2	100	O	10	> 1	1	HL			

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104-01	100 Project Code Qualifier P4 - Project Code	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
104-02	100 Project Code [T_9 D-13 78/79]	M	AN	1/3	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
105	100 N9 SEGMENT - Stop Sequence Number Cross-Reference C				2	100	O	10	>1	1	HL					
105-01	100 Stop Sequence Number Cross-Reference Qualifier QN - Stop Sequence Number	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
105-02		100 Stop Sequence Number Cross-Reference If stops apply to a shipment, a line item is identified with a stop by carrying the sequence number of the stop address in this data element. That sequence number appears in the S5 segment in the header area of the transaction set. [T_9 D-13 78/79]	M	NO	1/2	2	100	O	10	>1	1	HL	N902	127	C AN	1/30
106		100 N9 SEGMENT - External Tracking Number (XTN) SEGMENT CONDITION: Use for USML shipments. U.S. Customs' Automated Export System uses this number.	C			2	100	O	10	>1	1	HL				
106-01		100 Reference Identification Qualifier ED - Export Declaration	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M ID	2/3
106-02		100 Reference Identification Use shipper DoDAAC plus TCN.	M	AN	23/23	2	100	O	10	>1	1	HL	N902	127	C AN	1/30
107		100 N9 SEGMENT - LIN Index Number SEGMENT CONDITION: Use for Army Unit moves.	C			2	100	O	10	>1	1	HL				
107-01		100 LIN Index Number Qualifier BCI - Basic Contract Line Item Number	M	ID	3/3	2	100	O	10	>1	1	HL	N901	128	M ID	2/3
107-02		100 LIN Index Number [T_9 D-13 78/79]	M	AN	2/2	2	100	O	10	>1	1	HL	N902	127	C AN	1/30
108		100 N9 SEGMENT - Line Item Number SEGMENT CONDITION: Use for Army Unit moves.	C			2	100	O	10	>1	1	HL				

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108-01	100 Line Item Number Qualifier LI - Line Item Identifier (Seller's)	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
108-02	100 Line Item Number [T_9 D-13 78/79]	M	AN	1/6	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
109	100 N9 SEGMENT - Controlled Inventory Item Code (CIIC) C SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required and if DoD-controlled item has a CIIC assigned.				2	100	O	10	>1	1	HL					
																At least one of N902 or N903 is required. If N906 is present, then N905 is required.

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
109-01		100 Controlled Inventory Item Code (CIIC) Qualifier M6 - Military Ordnance Security Risk Number <i>Use 'M6' to denote Controlled Inventory Item Code (CIIC).</i>	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M ID 2/3
109-02		100 Controlled Inventory Item Code (CIIC) SOURCE: DoD 4100.39-M (FLIS Manual) Volume 10, Table 61 [T_9 D-13 78/79]	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C AN 1/30
110		100 N9 SEGMENT - DoD Identification Code C (DoDIC) SEGMENT CONDITION: Required for DTTS if the hazardous shipment contains ammunition.				2	100	O	10	> 1	1	HL			At least one of N902 or N903 is required. If N906 is present, then N905 is required.
110-01		100 DoDIC Qualifier 11 - Department of Defense Identification Code (DoDIC)	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M ID 2/3
110-02		100 DoDIC Required for all ammunition and explosives. Also called Navy Ammunition Logistics Code (NALC). [T_9 D-15 67/70]	M	AN	4/4	2	100	O	10	>1	1	HL	N902	127	C AN 1/30
111		100 L5 SEGMENT - Classification M				2	130	O	10	> 1	1	HL			If either L503 or L504 is present, then the other is required. If L507 is present, then L506 is required. If either L508 or L509 is present, then the other is required.
111-02		100 Description Of Articles Clear text description of the line item. [T_8 11/14]	C	AN	1/50	2	130	O	10	>1	1	HL	L502	79	O AN 1/50 L502 may be used to send quantity information as part of the product description.

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111-03	100 Classification Item No. (Commodity Code)	M	AN	1/8	2	130	O	10	>1	1	HL	L503	22	C	AN	1/30
<p>When the sub-item number is available, provide it in the last two positions of this element. DIC reference is applicable only when qualified with the value 'I' in the L504. [T_0 15/19]</p>																

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
111-04	100	Classification Item No. (Commodity Code) Qualifier A - Harmonized Tariff Schedule of the United States Annotated D - Department of Defense Unique Codes I - Milstamp AITC or Water Commodity Code J - Harmonized System-Based Schedule B N - National Motor Freight Classification (NMFC) T - Standard Transportation Commodity Code (STCC) U - Uniform Freight Classification (UFC)	M ID 1/1	2	130	O	10	>1	1	HL	L504	23	C	ID	1/1
111-06	100	Number On Packages Use to show descriptive marks and numbers on freight.	C AN 1/45	2	130	O	10	>1	1	HL	L506	87	C	AN	1/48
112	100	L5 SEGMENT - Privately Owned Vehicle SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.	C	2	130	O	10	>1	1	HL					
112-02	100	POV Make ELEMENT CONDITION: If this segment appears, at least one of L502 and L506 must be used in this segment. [T_8 11/14]	C AN 1/10	2	130	O	10	>1	1	HL	L502	79	O	AN	1/50
112-06	100	Vehicle Color ELEMENT CONDITION: If this segment appears, at least one of L502 and L506 must be used in this segment.	C AN 1/8	2	130	O	10	>1	1	HL	L506	87	C	AN	1/48

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113 190 LH6 SEGMENT - Certification Code (49 CFR Compliance) SEGMENT CONDITION: Required for HAZMAT shipments.	2 134 O 5 >1 1 HL If either LH602 or LH603 is present, then the other is required.
113-01 190 HAZMAT - Certifying Person (49CFR Compliance) Clear text. MANDATORY for all hazardous material shipments. SOURCE: 49 CFR 172.204	2 134 O 5 >1 1 HL LH601 93 O AN 1/60
113-02 190 HAZMAT - Certification Code (49 CFR Compliance) 1 - Abbreviated Hazardous Certification 2 - Long Form of Hazardous Certification	2 134 O 5 >1 1 HL LH602 272 C ID 1/1

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
113-03	190	HAZMAT - Certification Declaration (49 CFR Compliance) Certification verbiage in accordance with 49 CFR 172.204. MANDATORY for all hazardous materials shipments. Verbiage that certifies the entire shipment should appear once in the first occurrence of the HL Line Item Description Loop. SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	M	AN	1/25	2	134	O	5	>1	1	HL	LH603	273	C AN	1/25
113-04	190	HAZMAT - Certification Declaration (49 CFR Compliance) ELEMENT CONDITION: Use for any remainder of certification verbiage exceeding 25 characters in LH603. SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	C	AN	1/25	2	134	O	5	>1	1	HL	LH604	273	O AN	1/25
114	190	NTE SEGMENT - 3PL Offer Record Number SEGMENT CONDITION: Use for 3PL coordinated shipments (DTCI or DFTS) only. Required for 3PL coordinated shipments. Matches the shipper's offer record numbers that appear in corresponding 219 Transportation Service Request and a 220 Transportation Service Response.	C			2	140	O	100	> 1	1	HL				
114-01	190	3PL Offer Record Number Qualifier UPI - Updated Information <i>Use 'UPI' to denote 3PL Offer Record Number Qualifier.</i>	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O ID	3/3
114-02	190	3PL Offer Record Number	M	AN	1/30	2	140	O	100	>1	1	HL	NTE02	352	M AN	1/80
115	190	NTE SEGMENT - Vehicle Model Number SEGMENT CONDITION: Use to identify the model number for military vehicles as applicable. Required for ocean shipments.	C			2	140	O	100	> 1	1	HL				

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				be avoided, if at all possible, in an automated environment.												
115-01	1001	Vehicle Model Number Qualifier EED - Equipment Description	M ID 3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3	
115-02	1001	Vehicle Model Number [T_9 D12 54/79]	M AN 1/10	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80	
116	190	NTE SEGMENT - Unit Line Number SEGMENT CONDITION: Use to identify unit line number as applicable.	C	2	140	O	100	> 1	1	HL	The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.					
116-01	2001	Unit Line Number Qualifier OTN - Another Type of Number Description	M ID 3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3	

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
116-02	2001	Unit Line Number [T_9 D-12 54/79]	M	AN	1/7	2	140	O	100	>1	1	HL	NTE02	352	M AN 1/80
117	190	NTE SEGMENT - Transportation Tracking Account Number (TTAN) SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Account Number is applicable.	C			2	140	O	100	>1	1	HL			
117-01	190	Transportation Tracking Account Number (TTAN) Qualifier M TCF - Tariff Commodity Footnotes <i>Use 'TCF' to denote Transportation Tracking Account Number (TTAN).</i>	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O ID 3/3
117-02	190	Transportation Tracking Account Number (TTAN)	M	AN	13/13	2	140	O	100	>1	1	HL	NTE02	352	M AN 1/80
118	190	NTE SEGMENT - Other Information SEGMENT CONDITION: For non-ocean shipments, use to indicate line item level special instructions. Ocean shipments use for additional comments information or rating information as needed. Repeat once for each qualifier.	C			2	140	O	100	>1	1	HL			
118-01	190	Other Information Qualifier Code Shipments by other than ocean use code value 'OTH'. Ocean shipments use code values 'CIG', 'LIQ', 'ADD', and 'OCR'. ADD - Additional Information CIG - Cigarette Information	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O ID 3/3

LIQ - Liquor Information OCR - Outside the Continental U.S. (OCONUS) Rating Information OTH - Other Instructions	
118-02 190 Other Information M AN 1/80 Shipments by other than ocean enter clear text information related to the line item such as velocity management instructions. Ocean shipments enter values depending on code value in NTE01 as follows: With code value 'OCR' use tariff for CONUS to Hawaii/Guam Rating Information. With code value 'CIG' or 'LIQ' use cigarette or liquor information. Repeat segment until all cigarette or liquor data has been entered. [T_9 D-12 54/79]	2 140 O 100 >1 1 HL NTE02 352 M AN 1/80

DoD INFORMATION						X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
119	120	L0 SEGMENT - Billed/Rated Quantity CHANGE NOTE: Segment condition updated per DM 1043. Repeat the L0 loop if there is more than one set of oversized dimensions for the same item.	M			2	145	O	1	20	2	L0			
119-02	120	Billed/Rated Quantity A commodity is a single type of product or material. Transportation of a commodity is usually billed/rated by units of freight weight. A line item on a transportation bill describes a single commodity. The quantity of a line item commodity is described here in the L0 segment in the HL Detail - Line Item Description Loop. One L0 segment occurs for each type pack under the line item. There may be many line items, i.e., HL Line Item Description Loop, of the same commodity. Two rules must be followed when constructing an L0 segment: 1) If the billed/rated quantity is expressed as freight weight, it appears here. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. The L004, L005, and L011 elements are not used. 2) If the billed/rated quantity is other than weight, such as barrels or gallons in the case of a pipeline shipment, it also appears here. If entry does not contain a decimal, decimal is assumed at right-most point of the field. In addition, the L004, L005, and L011 elements are used to carry the weight information, if required. For ocean shipments, enter line item weight.	M	R	1/8	2	145	O	1	20	2	L0	L002	220	C R 1/11
119-03	120	Billed/Rated Quantity Qualifier BA - Barrels GL - Gallon LB - Pound	M	ID	2/2	2	145	O	1	20	2	L0	L003	221	C ID 2/2

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119-04 120 Freight Weight C R 1/8 Freight weight of line item described in pounds only. Freight weight is the weight that line haul rate is based on and may include skid, pallet, and dunnage weights, depending on the applicable tender. Skid, pallet, and dunnage weights are carried in separate MEA segments. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. See the next occurrence of the MEA segment for the weight breakdown for packing materials. Decimals are not used for ocean shipments. [T_2 72/76]	2 145 O 1 20 2 L0 L004 81 C R 1/10
119-05 120 Freight Weight Qualifier C ID 1/2 ELEMENT CONDITION: Required if L004 is used. See Section 6 for list of data values.	2 145 O 1 20 2 L0 L005 187 C ID 1/2
119-06 120 Cube M R 1/8 Cube of line item. [T_7 77/80]	2 145 O 1 20 2 L0 L006 183 C R 1/8

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
119-07		120 Cube Qualifier E - Cubic Feet G - Gallons H - Hundreds of Measurement Tons S - Measurement Ton V - Liter X - Cubic Meters	M	ID	1/1	2	145	O	1	20	2	L0	L007	184	C ID	1/1
119-08		120 Type Pack Quantity Enter the Type Pack Quantity. For ocean shipments, enter number of pieces. [T_0 68/71]	M	NO	1/7	2	145	O	1	20	2	L0	L008	80	C NO	1/7
																L008 is the number of handling units of the line item tendered to the carrier.
119-09		120 Type Pack Qualifier Code for packaging form of the lading quantity. SOURCE: Reference Section 6.0 of this IC for code values using the table that contains the applicable type pack qualifier. Common code values associated with multiple definitions prevents documentation of the entire sub-set. [T_0 28/29]	M	ID	3/3	2	145	O	1	20	2	L0	L009	211	C ID	3/3
119-10		120 Type Pack Sub Qualifier Material used to protect lading. ELEMENT CONDITION: Use this value to identify specific MSCVAN and SEAVAN configurations. SOURCE: Reference Section 6.0 of this IC for code values using the table that contains the applicable type pack qualifier. Common code values associated with multiple definitions prevents documentation of the entire sub-set. [T_7 54/67]	C	AN	2/2	2	145	O	1	20	2	L0	L010	458	O AN	2/25

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
119-11		120 Freight Weight Unit Code ELEMENT CONDITION: Required if L004 is used. E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	C	ID	1/1	2	145	O	1	20	2	L0	L011	188	O ID 1/1
119-13		120 Over-dimensional Pieces, Quantity Used to indicate the number of oversized pieces. If there are multiple over-dimensional items (all the same size), send as one line item and indicate total quantity here. Required for ocean shipments when there is more than one set of oversized dimensions for the same item.	C	R	1/15	2	145	O	1	20	2	L0	L013	380	C R 1/15
119-15		120 Oversized Item Indicator ELEMENT CONDITION: Required if L013 is used. Required for ocean shipments when there is more than one set of oversized dimensions for the same item. N - No Y - Yes	C	ID	1/1	2	145	O	1	20	2	L0	L015	1073	C ID 1/1
120		120 L1 SEGMENT - Declared Value of Bill of Lading Line Item				2	150	O	20	20	2	L0			

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<p>SEGMENT CONDITION: Declared value is required for all shipments that will be processed through a foreign host nation's customs and border clearance program.</p>	<p>If either L102 or L103 is present, then the other is required. At least one of L104, L105, or L106 is required. If either L114 or L115 is present, then the other is required. If either L117 or L118 is present, then the other is required.</p>
<p>120-04 120 Charge M N2 1/8 Code identifying the type of identification number of Depository Financial Institution (DFI) 00 - Use value '00' to meet X12 syntax requirements.</p>	<p>2 150 O 20 20 2 L0 L104 58 C N2 1/12</p>
<p>120-14 120 Declared Value M N2 2/12 Enter the actual value or selling price per TCN (include total bill of lading line item quantity cost).</p>	<p>2 150 O 20 20 2 L0 L114 74 C N2 2/12</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
120-15		120 Rate/Value Qualifier CO - Cost per Unit <i>Use 'CO' to denote Total Cost per TCN.</i>	M	ID	2/2	2	150	O	20	20	2	L0	L115	122	C ID 2/2
121		120 MEA SEGMENT - Packaging Material Weight SEGMENT CONDITION: Use to provide weight breakout per type pack per commodity per shipment unit.	C			2	160	O	10	20	2	L0			
					At least one of MEA03, MEA05, MEA06, or MEA08 is required. If MEA05 is present, then MEA04 is required. If MEA06 is present, then MEA04 is required. If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required. Only one of MEA08 or MEA03 may be present.										
121-01		120 Packaging Material Qualifier Weight breakout per type pack per commodity per shipment unit is carried in the MEA segment. For each type of packing material weight breakout, use an individual MEA segment. DN - Dunnage Dimension PA - Pallet Dimensions SK - Skid Dimensions	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O ID 2/2
121-02		120 Packaging Material Weight Qualifier B - Billed Weight	M	ID	1/1	2	160	O	10	20	2	L0	MEA02	738	O ID 1/3
121-03		120 Packaging Material Weight The weight for any component of the packaging material (e.g. skid, pallet, dunnage weights). Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_9 D-21 13/16]	M	R	1/8	2	160	O	10	20	2	L0	MEA03	739	C R 1/20

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121-04	<p>Unit or Basis for Measurement Code M CE</p> <p>C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter.</p>	<p>2 160 O 10 20 2 L0 MEA04 C001 C CE</p>
121-04-01	<p>Unit or Basis for Measurement Code M ID 2/2</p> <p>By placing code value 'PN' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element.</p> <p>PN - Pounds Net</p>	<p>2 160 C 10 20 2 L0 C00101 355 M ID 2/2</p>
122	<p>120 MEA SEGMENT - Shipped C Dimensions</p> <p>SEGMENT CONDITION: Required if the shipment is oversize or if air shipment. (GFM needs dimensions to cost air shipment.) All dimensions are required for all 3PL carrier shipments.</p>	<p>2 160 O 10 20 2 L0</p> <p>At least one of MEA03, MEA05, MEA06, or MEA08 is required. If MEA05 is present, then MEA04 is required. If MEA06 is present, then MEA04 is required. If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required. Only one of MEA08 or MEA03 may be present.</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
122-01		120 Shipped Dimensions Information Qualifier SD - Shipped Dimensions	M ID 2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2
122-02		120 Shipped Dimensions Qualifier GFM will calculate oversize dimensions from shipper provided information. HT - Height LN - Length WD - Width	M ID 2/2	2	160	O	10	20	2	L0	MEA02	738	O	ID	1/3
122-03		120 Shipped Dimensions Units Use for values of oversize dimensions. [T_9 D-21 13/16]	M NO 1/10	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
122-04		Unit or Basis for Measurement Code C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter.	M CE	2	160	O	10	20	2	L0	MEA04	C001	C	CE	
122-04-01		English Measurement Code By placing code value 'FT' or 'IN' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. FT - Foot IN - Inch	M ID 2/2	2	160	C	10	20	2	L0	C00101	355	M	ID	2/2
123		120 MEA SEGMENT - Net Explosive C Weight (English) SEGMENT CONDITION: Required for all shipment modes; include if available. English (and metric) units are required to comply with 49 CFR 171.10. For OCONUS shipments, NEW facilitates compliance with 1MDGC.		2	160	O	10	20	2	L0					

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MEA03, MEA05, or MEA06 is required.
Only one of MEA08 or MEA03 may be present.

123-01	120 Net Explosive Weight Qualifier NX - Net Explosive Weight	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2
123-03	120 Net Explosive Weight If net explosive weight is available for an individual line item, carry that weight in this data element. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_9 D-21 13/16]	M	R	1/8	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
123-04	Composite Unit of Measurement Code	M	CE		2	160	O	10	20	2	L0	MEA04	C001	C	CE	

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
123-04-01		Net Explosive Weight Qualifier (English) Both metric and English units are required to comply with 49 CFR 171.10. By placing these code values (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. Use 'GA' if explosive is wet. Use 'PN' if explosive is dry. GA - Gallon PN - Pounds Net	M ID 2/2	2	160	C	10	20	2	L0	C00101	355	M ID 2/2	
124	120	MEA SEGMENT - Net Explosive Quantity (Metric) SEGMENT CONDITION: Required if available. Metric (and English) units are required to comply with 49 CRF 171.10. For OCONUS shipments, NEW facilitates compliance with 1MDGC.	C	2	160	O	10	20	2	L0				
													At least one of MEA03, MEA05, MEA06, or MEA08 is required. If MEA05 is present, then MEA04 is required. If MEA06 is present, then MEA04 is required. If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required. Only one of MEA08 or MEA03 may be present.<br / >	
124-01	120	Net Explosive Quantity Qualifier WT - Weights <i>Use 'WT' to denote Net Explosive Quantity.</i>	M ID 2/2	2	160	O	10	20	2	L0	MEA01	737	O ID 2/2	
124-03	120	Net Explosive Quantity Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_9 D-21 13/16]	M R 1/8	2	160	O	10	20	2	L0	MEA03	739	C R 1/20	
124-04		Composite Unit of Measurement Code	M CE	2	160	O	10	20	2	L0	MEA04	C001	C CE	

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124-04-01	Net Explosive Quantity Qualifier (Metric)	M	ID	2/2	2	160	C	10	20	2	L0	C00101	355	M	ID	2/2
By placing these code values (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. Use 'KG' if explosive is dry. Use 'LT' if explosive is wet. KG - Kilogram LT - Liter																
125	120 MEA SEGMENT - Round Count	C			2	160	O	10	20	2	L0					
SEGMENT CONDITION: Required if shipment contains ammunition.					At least one of MEA03, MEA05, MEA06, or MEA08 is required. If MEA05 is present, then MEA04 is required. If MEA06 is present, then MEA04 is required. If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required. Only one of MEA08 or MEA03 may be present.<br / >											
125-01	120 Round Count Qualifier	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2
CT - Counts																

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
125-03		120 Round Count [T_9 D-21 13/16]	M N0 1/8	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
125-04		Composite Unit of Measurement Code M CE		2	160	O	10	20	2	L0	MEA04	C001	C	CE	
125-04-01		Round Count Qualifier By placing code value 'RO' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. RO - Round	M ID 2/2	2	160	C	10	20	2	L0	C00101	355	M	ID	2/2
126		120 L0 SEGMENT - Ammunition Lot Number/Number of Pieces	C	2	145	O	1	20	2	L0					

**DEPARTMENT OF DEFENSE
TRANSPORTATION EDI CONVENTION**

**FREIGHT BILL OF LADING SHIPMENT INFORMATION
858.R.004010**

LOOP CONDITION: Required for ocean shipments if shipment contains ammunition. Report pieces, weight, cube and ammunition lot number. Report also in MEA segment (Round Count).				If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.											
126-04	120 Weight [T_7 72/76]	C R	1/10	2	145	O	1	20	2	L0	L004	81	C	R	1/10
126-05	120 Weight Qualifier A1 - Dimensional Weight FR - Freight Weight	C ID	2/2	2	145	O	1	20	2	L0	L005	187	C	ID	1/2
126-06	120 Cube ELEMENT CONDITION: Required for ocean shipments. [T_7 68/71]	C R	1/8	2	145	O	1	20	2	L0	L006	183	C	R	1/8
126-07	120 Cube Qualifier E - Cubic Feet	C ID	1/1	2	145	O	1	20	2	L0	L007	184	C	ID	1/1
126-08	120 Number of Pieces ELEMENT CONDITION: Required for ocean shipments. [T_7 77/80]	C NO	1/7	2	145	O	1	20	2	L0	L008	80	C	NO	1/7
126-09	120 Packaging Form Code (for number of 3/3 pieces) PCS - Pieces	C ID		2	145	O	1	20	2	L0	L009	211	C	ID	3/3

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
126-10		120 Ammunition Lot Number Use leading zero as necessary to provide a minimum of two characters. [T_7 54/67]	C AN 2/14	2	145	O	1	20	2	L0	L010	458	O	AN 2/25
127		120 L0 SEGMENT - Dimensional	C Weight	2	145	O	1	20	2	L0				

**DEPARTMENT OF DEFENSE
TRANSPORTATION EDI CONVENTION**

**FREIGHT BILL OF LADING SHIPMENT INFORMATION
858.R.004010**

<p>LOOP CONDITION: Use when dimensional weight applies. Dimensional Weight is the chargeable weight computed on the basis of volume rather than actual weight. GFM will calculate the Dimensional Weight based on dimensions passed in the MEA segments. Shipper systems must provide the Dimensional Weight.</p>	<p>If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.</p>
<p>127-04 120 Dimensional Weight M R 1/10 When applicable, dimensional weight shall be calculated using the following formula: Length x Width x Height divided by 194 equals dimensional weight (all measurements in inches). [T_2 72/76]</p>	<p>2 145 O 1 20 2 L0 L004 81 C R 1/10</p>
<p>127-05 120 Dimensional Weight Qualifier M ID 2/2 A1 - Dimensional Weight</p>	<p>2 145 O 1 20 2 L0 L005 187 C ID 1/2</p>
<p>127-11 120 Weight Unit Code M ID 1/1 E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton</p>	<p>2 145 O 1 20 2 L0 L011 188 O ID 1/1</p>
<p>128 190 LH1 SEGMENT - HAZMAT C Quantities LOOP CONDITION: DG 190 required if the shipment contains hazardous material and/or the Defense Transportation Tracking System (DTTS) is required.</p>	<p>2 170 O 1 100 2 LH1</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
128-01	190 HAZMAT - Unit Of Measure Code	M ID 2/2 Contains the code identifying the Unit of Measure (type of packaging) for which the data in LH102 is reported. Use LH106 to express weight and volume. SOURCE: Reference Section 6.0 of this IC for code values using applicable tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: BA, BD, BG, BX, CH	M	ID	2/2	2	170	O	1	100	2	LH1	LH101	355	M ID 2/2
128-02	190 HAZMAT - Lading Quantity	M NO 1/7 Contains the number of units (pieces) of the lading commodity that is Hazardous. SOURCE: 49 CFR 172.202(c) [T_9 D-15 54/79]	M	NO	1/7	2	170	O	1	100	2	LH1	LH102	80	M NO 1/7
128-03	190 HAZMAT - UN/NA ID Code	M ID 6/6 SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications [T_6 74/79]	M	ID	6/6	2	170	O	1	100	2	LH1	LH103	277	O ID 6/6
128-06	190 HAZMAT - English Measurement Code	C ID 2/2 Use the unit of measure codes for quantity or volume of non bulk shipments. This will typically be pounds, cubic feet, or a unit of measure other than pieces. If the weight of the hazardous material is measured in other than the above listed Weight Units of Measure, refer to X12 Standard, DE 355. Use LH101 to express type of packaging. ELEMENT CONDITION: Required if LH107 is used. At least one LH106/LH107 or LFH05/LFH06 are required to pass the HAZMAT unit of measure and quantity. If an English and Metric unit of measure are available, both are required. See Section 6 for list of data values.	C	ID	2/2	2	170	O	1	100	2	LH1	LH106	355	O ID 2/2
128-07	190 HAZMAT - Quantity	C R 1/15 Quantity refers to the amount (i.e., weight in pounds, volume in cubic feet, or other such measurement) of the hazardous material commodity that is to be transported.	C	R	1/15	2	170	O	1	100	2	LH1	LH107	380	O R 1/15
128-09	190 HAZMAT - Residue Indicator Code	C ID 1/1	C	ID	1/1	2	170	O	1	100	2	LH1	LH109	665	O ID 1/1

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FREIGHT BILL OF LADING SHIPMENT INFORMATION

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Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded. Use code value 'R' to indicate that the unit being shipped is empty and contains a residue from a prior movement.
SOURCE: 49 CFR 172.203(e)
R - Residue Last Contained Description (Tank Car)

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.

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
128-10	190	HAZMAT - Packing Group Code Indicate the required packing group using Roman Numeral I, II, or III to indicate the degree of danger. SOURCE: 49 CFR, Table 172.101	C	ID	1/3	2	170	O	1	100	2	LH1	LH110	254	O ID 1/3
129	190	LH2 SEGMENT - HAZMAT Classification SEGMENT CONDITION: Required for loaded and unloaded HAZMAT shipments.	C			2	180	O	4	100	2	LH1			
129-01	190	HAZMAT - Hazardous Class/Division Identify the hazard class or division prescribed for the material as shown in column 3 of 49 CFR Table 172.101. If there is no hazard class or division, use the code in that column, such as ORM-D (Other Regulated Material), reference 49 CFR 173.2. If there is a subsidiary hazard but no hazard class or division, use code value 'NA'. A material for which the entry in this column is 'Forbidden' may not be offered for transportation nor be transported. This segment needs to be repeated for each subsidiary hazard. SOURCE: 49 CFR 172.101;49 CFR 173.2 [T_6 71/72]	M	ID	1/30	2	180	O	4	100	2	LH1	LH201	215	O ID 1/30
129-02	190	HAZMAT - Hazard Class Qualifier Repeat the LH2 segment as necessary to identify the primary and each subsidiary (secondary) hazard of the material being shipped. P - Primary S - Secondary	M	ID	1/1	2	180	O	4	100	2	LH1	LH202	983	O ID 1/1
129-05	190	HAZMAT - Reportable Quantity For empty packagings or units containing the residue of a hazardous material. ELEMENT CONDITION: Required if necessary to indicate a reportable quantity is present in the shipment. SOURCE: 49 CFR 172.203(e) RQ - Reportable Quantity	C	ID	2/2	2	180	O	4	100	2	LH1	LH205	759	O ID 2/2

<p>129-06 190 HAZMAT Flashpoint Temperature Code C ID 2/2</p> <p>ELEMENT CONDITION: Required if LH207 is used. CE - Centigrade, Celsius</p> <p><i><i>Use 'CE' to denote Centigrade.</i></i></p> <p>FA - Fahrenheit</p>	<p>2 180 O 4 100 2 LH1 LH206 355 C ID 2/2</p> <p>LH206 and LH207 indicate the flashpoint temperature.</p>
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DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
129-07	190	HAZMAT Flashpoint Temperature	C	R	1/4	2	180	O	4	100	2	LH1	LH207	408	C	R	1/4
130	190	LH3 SEGMENT - HAZMAT Names SEGMENT CONDITION: Required for empty/unloaded HAZMAT shipments; this segment should contain the last contents shipping name.	C			2	190	O	12	100	2	LH1					If either LH301 or LH302 is present, then the other is required.
130-01	190	HAZMAT - Proper Shipping Name MANDATORY for all hazardous material shipments including ammunition and explosives. Create additional LH301 segment(s) for remainder of Proper Shipping Name exceeding 25 characters. SOURCE: 49 CFR 172.101; 49 CFR 172.202 [T_9 D-15 54/79]	M	AN	1/25	2	190	O	12	100	2	LH1	LH301	224	C	AN	1/25
130-02	190	HAZMAT - Proper Shipping Name Qualifier C - Canadian Shipping Name D - Domestic (United States) Shipping Name I International Shipping Name	M	ID	1/1	2	190	O	12	100	2	LH1	LH302	984	C	ID	1/1
130-03	190	HAZMAT - N.O.S. Indicator Code If this field is used, an LFH segment must follow using code value 'TEC' in LFH01. NOS - N.O.S. Regulatory Requirements Apply	C	ID	3/3	2	190	O	12	100	2	LH1	LH303	985	O	ID	3/3
131	190	LFH SEGMENT - HAZMAT Remarks SEGMENT CONDITION: Required for HAZMAT shipments requiring specific labeling.	C			2	191	O	20	100	2	LH1					If either LFH05 or LFH06 is present, then the other is required.

DoD INFORMATION				X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
		131-01 190 HAZMAT - Additional Basic Description Information		2	191	O	20	100	2		LH1	LFH01 808 M ID	3/3
Qualifier		M	ID 3/3										
		<p>Contains the hazardous material shipment information qualifier indicating the type of information being passed. MANDATORY for all explosives unless otherwise noted in 49 CFR 172.320. Use interim EX-number for explosives waiting for final classification.If the X12 code definition accompanying a LFH01 code value contains text in quotations, place the part in quotations in LFH02. If the code definition contains no quotations, see the user note in LFH02 for further guidance. Use code value 'ADI' to denote 'Other information not accounted for in the code list'. Use code value 'TEC' in this data element to indicate that the N.O.S. indicator is specified in LH303. Enter additional information that must appear in association with the shipment's basic description according to 49 CFR. Use additional occurrences of LFH segment as necessary for each code that applies to shipment.</p> <p>SOURCE: 49 CFR</p> <p>ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper</p> <p>DWW - "Dangerous When Wet" Declaration</p> <p>HOT - Identifies Products in a Heated Molten State</p> <p>HZC - Hazardous Substance Constituents</p> <p>LQY - "Limited Quantity" Declaration</p> <p>MOS - Maximum Operating Speed</p> <p>MPI - Marine Pollutant</p> <p>PIH - "Poison - Inhalation Hazard" Declaration</p> <p>POI - Poison Declaration</p>											

<p><i>Use 'POI' to denote "Poison" Declaration.</i></p> <p>RAM - Radioactive Material Data</p> <p>TEC - Technical or Chemical Group Name</p>	
<p>131-02 190 HAZMAT - Additional Basic Description Information M AN 1/25</p> <p>Contains specific information about the hazardous material shipment. When applicable, use the descriptive narrative from LFH01. If LFH01 = 'ADI', use this element for any overflow information from LFH01 or 49 CFR except Proper Shipping Name. Use LFH03 for additional overflow. If LFH01 = 'PIH', enter 'Poisonous - Inhalation Hazard, Zone X', where X is the code designated in LFH04. If LFH01 = 'HOT', enter 'HOT' [See 49 CFR 172.203(n)]. If LFH01 = 'RAM', enter the appropriate text in quotes as specified by 49 CFR 172.203(d). If LFH01 = 'LQY', enter 'Ltd Qty' or 'Limited Quantity'. If LFH01 = 'HZC', enter 'Hazardous substance constituents.' If LFH01 = 'MOS', enter 'Maximum operating speed.' If LFH01 = 'MPI', enter 'Marine Pollutant.' For N.O.S. code (LFH01 = 'TEC'), enter the technical or chemical group name in parentheses. Place overflow in LFH03. Do not close parentheses until end of description is reached. [T_9 D-15 54/79]</p>	<p>2 191 O 20 100 2 LH1 LFH02 809 M AN 1/25</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
131-03	190	HAZMAT - Additional Information Use for description overflow from LFH02. Use LFH01, 02, and 03 as a set and repeat loop as necessary to convey all additional basic description information.	C	AN	1/25	2	191	O	20	100	2	LH1	LFH03	809	O AN 1/25
131-04	190	HAZMAT - Hazard Zone Code Contains the code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone. ELEMENT CONDITION: Use applicable Hazard Zone Code when LFH01 = PIH. A - Hazard Zone A B - Hazard Zone B C - Hazard Zone C D - Hazard Zone D	C	ID	1/1	2	191	O	20	100	2	LH1	LFH04	1023	O ID 1/1
132	190	LFH SEGMENT - Round Count SEGMENT CONDITION: Required for TC-AIMS II moves only.	C			2	191	O	20	100	2	LH1			If either LFH05 or LFH06 is present, then the other is required.
132-01	190	HAZMAT- Information Qualifier Use code value 'ADI' to satisfy X12 syntax requirements. ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper	M	ID	3/3	2	191	O	20	100	2	LH1	LFH01	808	M ID 3/3
132-02	190	HAZMAT- Round Count Identifier Specific information required by law for hazardous material shipments. Enter value 'CT' to indicate segment contains HAZMAT Round Count Information. CT	M	AN	2/2	2	191	O	20	100	2	LH1	LFH02	809	M AN 1/25
132-05	190	HAZMAT- Round Count Qualifier RO - Round	M	ID	2/2	2	191	O	20	100	2	LH1	LFH05	355	C ID 2/2
132-06	190	HAZMAT- Round Count	M	R	1/15	2	191	O	20	100	2	LH1	LFH06	380	C R 1/15
LFH06 indicates activity of the radioactive material.															

133 190	LFH SEGMENT - HAZMAT Metric Weight	C	2	191	O	20	100	2	LH1
SEGMENT CONDITION: Required if LH107 is used. Use along with LH106 for HAZMAT explosive materials.			If either LFH05 or LFH06 is present, then the other is required.						

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION		
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
133-01	190	HAZMAT- Information Qualifier Use code value 'ADI' to satisfy X12 syntax requirements. ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper	M	ID	3/3	2	191	O	20	100	2	LH1 LFH01 808		M ID 3/3
133-02	190	HAZMAT- Shipment Information Specific information required by law for hazardous material shipments. Enter value 'WT' to indicate segment contains HAZMAT Metric Weight Information. WT	M	AN	2/2	2	191	O	20	100	2	LH1 LFH02 809		M AN 1/25
133-05	190	HAZMAT- Metric Measurement Code 2C - Roentgen 2Q - Kilobecquerel 2Y - Milliroentgen 40 - Milliliter per Second 4N - Megabecquerel GM - Grams per Sq. Meter GR - Gram H4 - Hectoliter HG - Hectogram KG - Kilogram KR - Kiloentgen LT - Liter	C	ID	2/2	2	191	O	20	100	2	LH1 LFH05 355		C ID 2/2

MC - Microgram

ME - Milligram

MG - Metric Gross Ton

ML - Milliliter

MP - Metric Ton

R2 - Becquerel

DoD INFORMATION						X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
		133-06 190 HAZMAT- Metric Quantity Use the unit of measure codes for quantity or volume of non bulk shipments. This will typically be grams, cubic meters, or a unit of measure other than pieces. If the weight of the hazardous material is measured in other than the above listed Weight Units of Measure, refer to X12 Standard, DE 355. Use LH101 to express type of packaging. ELEMENT CONDITION: Required if LFH05 is used. At least one LH106/LH107 or LFH05/LFH06 are required to pass the HAZMAT unit of measure and quantity. If an English and Metric unit of measure are available, both are required.	C	R	1/15	2	191 O	20	100	2		LH1 LFH06	380 C R	1/15	
		190 LFH SEGMENT - Net Explosive Weight (English) SEGMENT CONDITION: Required for TC-AIMS II moves only.	C			2	191 O	20	100	2	LH1			If either LFH05 or LFH06 is present, then the other is required.	
		134-01 190 HAZMAT - Information Qualifier Use code value 'ADI' to satisfy X12 syntax requirements. ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper CAO - Cargo Airlift Only D13 - "DOT - 113, Do Not Bump or Cut Off Car While in Motion" Declaration DRC - Damaged Car Number DWW - "Dangerous When Wet" Declaration EMS - Emergency Schedule (EMS) Page Number HOT - Identifies Products in a Heated Molten State HZC - Hazardous Substance Constituents	M	ID	3/3	2	191 O	20	100	2		LH1 LFH01	808 M ID 3/3		

INH - Inhalation
Hazard

LQY - "Limited Quantity" Declaration

MFA - Medical First Aid Guide (MFAG) Page
Number

MOS - Maximum Operating Speed

MPI - Marine Pollutant

PIH - "Poison -
Inhalation Hazard" Declaration

POI - Poison Declaration

RAM - Radioactive Material
Data

TEC - Technical or Chemical Group Name

TNM - Trade Name

WST - Waste
Declaration

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
134-02	190	HAZMAT - Shipment Information Specific information required by law for hazardous material shipments. Enter value 'NX' to indicate segment contains HAZMAT English Weight Information. NX	M AN 2/2	2	191	O	20	100	2	LH1	LFH02	809	M AN	1/25
134-05	190	HAZMAT - English Net Explosive Weight Code GA - Gallon PN - Pounds Net	C ID 2/2	2	191	O	20	100	2	LH1	LFH05	355	C ID	2/2
134-06	190	HAZMAT - English Net Explosive Weight	C R 1/15	2	191	O	20	100	2	LH1	LFH06	380	C R	1/15
135	190	LFH SEGMENT - Net Explosive Weight (Metric) SEGMENT CONDITION: Required for TC-AIMS II moves only.	C	2	191	O	20	100	2	LH1				
135-01	190	HAZMAT - Shipment Information Qualifier Use code value 'ADI' to satisfy X12 syntax requirements. ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper	M ID 3/3	2	191	O	20	100	2	LH1	LFH01	808	M ID	3/3
135-02	190	HAZMAT - Shipment Information Enter value 'NW' to indicate segment contains HAZMAT Metric Net Weight Information. NW	M AN 2/2	2	191	O	20	100	2	LH1	LFH02	809	M AN	1/25
135-05	190	HAZMAT - Metric Net Explosive Weight Code KG - Kilogram LT - Liter	C ID 2/2	2	191	O	20	100	2	LH1	LFH05	355	C ID	2/2
135-06	190	HAZMAT - Metric Net Explosive Weight	C R 1/15	2	191	O	20	100	2	LH1	LFH06	380	C R	1/15
														LFH06 indicates activity of the radioactive material.

136	190	LHR SEGMENT - DOT Explosive Approval Number (EX-number) SEGMENT CONDITION: Required for shipment of explosive materials.	C							2	210	O	10	100	2	LH1					
136-01	190	HAZMAT - DOT Explosive Approval Number Qualifier HD - Department of Transportation Hazardous Number	M	ID	2/2					2	210	O	10	100	2	LH1	LHR01	128	M	ID	2/3

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
136-02		190 HAZMAT - DOT Explosive Approval Number (EX-number) Product codes and national stock numbers must be traceable to the specific EX-number (also referred to as hazard classification approval number) assigned by the Associate Administrator for Hazardous Materials Safety. SOURCE: 49 CFR 172.320 and 173.56(b) [T_6 80/80]	M	AN	1/30	2	210	O	10	100	2	LH1	LHR02	127	M AN 1/30
137		190 LHR SEGMENT - Competent Authority Approval Number C SEGMENT CONDITION: Use if competent authority approval is required.				2	210	O	10	100	2	LH1			
137-01		190 Competent Authority Approval Number Qualifier HA - Competent Authority	M	ID	2/2	2	210	O	10	100	2	LH1	LHR01	128	M ID 2/3
137-02		190 Competent Authority Approval Number Issued by Department of Transportation, approval number is CA-YYNNNNA, where Y = year, N = approval number within that year, and A is an optional alphanumeric designator. Only applicable when DoD requires an exception to the international performance oriented packaging rules. [T_6 80/80]	M	AN	1/30	2	210	O	10	100	2	LH1	LHR02	127	M AN 1/30
138		190 LHR SEGMENT - DOT Exemption Number SEGMENT CONDITION: Required when DOT exemption applies.				2	210	O	10	100	2	LH1			
138-01		190 DOT Exemption (DOT-E) Number Qualifier HE - Hazardous Exemption Number	M	ID	2/2	2	210	O	10	100	2	LH1	LHR01	128	M ID 2/3
138-02		190 DOT Exemption (DOT-E) Number Identifies the DOT Exemption to any of the 49 CFR Regulations for hazardous materials. Normally used only for domestic shipments. Can be used for international shipments but is not guaranteed to be accepted by international customs. SOURCE: 49 CFR 172.2(a) [T_6 80/80]	M	AN	1/30	2	210	O	10	100	2	LH1	LHR02	127	M AN 1/30
139		190 LHR SEGMENT - Int'l Maritime Dangerous Goods Code C SEGMENT CONDITION: Use this segment if the hazardous shipment requires international				2	210	O	10	100	2	LH1			

regulation.																			
139-01	190 HAZMAT - Int'l Maritime Dangerous Goods Code (IMDG)									2	210	O	10	100	2	LH1 LHR01	128	M ID	2/3
	Qualifier	M							ID	2/2									
	IM - Intergovernmental Maritime Organization (IMO) Number																		

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
		139-02 190 HAZMAT - Int'l Maritime Dangerous Goods Code (IMDG) [T_6 80/80]	M	AN	1/30	2	210	O	10	100	2		LH1	LHR02 127	M AN 1/30
140		190 LHR SEGMENT - DoDIC SEGMENT CONDITION: Required for TC-AIMS II moves only.	C			2	210	O	10	100	2		LH1		
		140-01 190 DoDIC Qualifier Use '1I' for shipments by other than ocean. Use '6P' only for ocean shipments. 1I - Department of Defense Identification Code (DoDIC) 6P - Group Number	M	ID	2/2	2	210	O	10	100	2		LH1	LHR01 128	M ID 2/3
		140-02 190 DoDIC [T_9 D-15 67/70]	M	AN	1/30	2	210	O	10	100	2		LH1	LHR02 127	M AN 1/30
141		190 LHR SEGMENT - National Stock Number (NSN) SEGMENT CONDITION: Required for TC-AIMS II moves only.	C			2	210	O	10	100	2		LH1		
		141-01 190 HAZMAT - NSN Qualifier NS - National Stock Number	M	ID	2/2	2	210	O	10	100	2		LH1	LHR01 128	M ID 2/3
		141-02 190 HAZMAT - NSN [T_6 54/66]	M	AN	1/30	2	210	O	10	100	2		LH1	LHR02 127	M AN 1/30
142		190 FA1 SEGMENT - TCN Appropriation Number Loop LOOP CONDITION: Use for appropriation assignment. Carriers do not need to receive appropriation data. This segment begins the appropriation number loop. It calls for both FA1 and FA2 segments. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners. If there is only one Transportation Accounting Code or Line of Accounting at the header level, then it applies to all shipments in that container. If there is TAC/LOA at the header level, and some of the line items in the container have their own TACs/LOAs and some do not, use the TACs/LOAs at the line item level for those specific shipments and default to the header TAC/LOA for all others. If there is an invalid TAC/LOA on a single line item we will use the header TAC/LOA. If there is only one Transportation Accounting Code or Line of Accounting at the header level, then it applies to all shipments in that container. If there is TAC/LOA at the header level, and some of the line items in the container have their own TACs/LOAs and	C			2	230	O	1	> 1	2		FA1		

some do not, use the TACs/LOAs at the line item level for those specific shipments and default to the header TAC/LOA for all others. If there is an invalid TAC/LOA on a single line item we will use the header TAC/LOA.

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
142-01	190	Agency Qualifier Code Code identifying the agency assigning the code values. DF - Department of Defense (DoD) DN - Department of the Navy DX - United States Marine Corps DY - Department of Air Force DZ - Department of Army HS Department of Health and Human Services <i>Use 'HS' to denote Department of Homeland Security/US Coast Guard (DHS/USCG).</i>	M	ID	2/2	2	230	O	1	>1	2	FA1 FA101	559	M ID 2/2
143	190	FA2 SEGMENT - TCN Appropriation Elements SEGMENT CONDITION: This segment is MANDATORY if and only if the FA1 SEGMENT - TCN Appropriation Number Loop segment is used. Otherwise, this segment may not be used.	C			2	240	M	>1	>1	2	FA1		
143-01	190	Breakdown Structure Detail Code 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
143-02	190	Financial Information Code When FA201 contains code value '84', FA202 should be formatted as a dollar amount including a decimal character and two positions after the decimal, representing cents even if the value is a whole dollar amount.	M	AN	1/80	2	240	M	>1	>1	2	FA1 FA202	1195	MAN 1/80
144	190	L10 SEGMENT - TCN Weight SEGMENT CONDITION: Use when appropriation weight applies.	C			2	250	O	1	>1	2	FA1		

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144-01 190 Weight Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_0 72/76]	M	R	1/10	2	250 O	1	>1	2	FA1 L1001	81	M R	1/10
144-02 190 Weight Qualifier N - Actual Net Weight	M	ID	1/1	2	250 O	1	>1	2	FA1 L1002	187	M ID	1/2

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
144-03	190	Weight Unit Code E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	M	ID	1/1	2	250	O	1	>1	2	FA1	L1003	188	O	ID	1/1	
145	190	NM1 SEGMENT - Personal Property Owner LOOP CONDITION: Used only for OCEAN CARGO SHIPPING INSTRUCTIONS.	C			2	260	O	1	4	2	NM1						
145-01	190	Personal Property Owner Qualifier OW - Owner of Property or Unit	M	ID	2/2	2	260	O	1	4	2	NM1	NM101	98	M	ID	2/3	
145-02	190	Personal Property Owner Qualifier 1 - Person	M	ID	1/1	2	260	O	1	4	2	NM1	NM102	1065	M	ID	1/1	
145-03	190	Personal Property Owner's Last Name [T_8 54/66]	M	AN	1/15	2	260	O	1	4	2	NM1	NM103	1035	O	AN	1/35	
145-04	190	Personal Property Owner's First Name/Initial [T_8 67/67]	M	AN	1/15	2	260	O	1	4	2	NM1	NM104	1036	O	AN	1/25	
146	73	N1 SEGMENT - Mark For Addressee Information	C	(MA)		2	290	O	1	4	2	N1						

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LOOP CONDITION: Use this address loop when en-route consolidation activity or any other organization or system that handles the bill of lading data needs to know the ultimate destination of the shipment. This is needed particularly for OCONUS shipments where the bill of lading moves the freight to a port to change modes to air freight or ocean container.

At least one of N102 or N103 is required.
If either N103 or N104 is present, then the other is required.

146-01	73	Name Qualifier (MA)	M	ID	2/2	2	290	O	1	4	2	N1	N101	98	M	ID	2/3
		This qualifier identifies name and address information of the 'Mark For' ultimate consignee.															
		MA - Party for whom Item is Ultimately Intended															

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
146-02	73	Name (MA) [TC1 9/14]	C	AN	1/35	2	290	O	1	4	2	N1	N102	93	C AN 1/60
146-03	73	DoDAAC/CAGE/MAPAC Qualifier (MA) Do not use CAGE code for ocean shipments. 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE) A2 - Military Assistance Program Address Code (MAPAC)	M	ID	2/2	2	290	O	1	4	2	N1	N103	66	C ID 1/2
146-04	73	DoDAAC/CAGE/MAPAC (MA) If DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the destination is required. [T_2 47/52]	M	AN	5/6	2	290	O	1	4	2	N1	N104	67	C AN 2/80
147	73	N2 SEGMENT - Mark For Addressee C Information (MA) SEGMENT CONDITION: Use when mark for addressee applies.	C			2	300	O	2	4	2	N1			
147-01	73	Additional Name (MA)	M	AN	1/35	2	300	O	2	4	2	N1	N201	93	M AN 1/60
148	73	N3 SEGMENT - Mark For Addressee Information (MA)	C			2	310	O	2	4	2	N1			
148-01	73	Street (MA)	M	AN	1/35	2	310	O	2	4	2	N1	N301	166	M AN 1/55
148-02	73	Additional Addressing Information	C	AN	1/35	2	310	O	2	4	2	N1	N302	166	O AN 1/55
149	73	N4 SEGMENT - Mark For Addressee Information (MA)	C			2	320	O	1	4	2	N1			

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SEGMENT CONDITION: Use when mark for addressee applies.		If N406 is present, then N405 is required.											
149-01 73	City (MA) C AN 2/19	2	320	O	1	4	2	N1	N401	19	O	AN	2/30
		A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.											
149-02 73	State or Province Code (MA) C ID 2/2 SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	2	320	O	1	4	2	N1	N402	156	O	ID	2/2
		N402 is required only if city name (N401) is in the U.S. or Canada.											
149-03 73	ZIP Code/Postal Code (MA) C ID 3/15 SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	2	320	O	1	4	2	N1	N403	116	O	ID	3/15

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION		
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
149-04 73		Country Code (MA) ELEMENT CONDITION: If mark for addressee is OCONUS, country code is required. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C ID 2/3	2	320	O	1	4	2	N1	N404	26	O ID 2/3
150		200 HL SEGMENT - Gross Weight Description Loop LOOP CONDITION: Use when gross weight description applies.	C	2	010	M	1	> 1	1	HL			
				The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure.									
150-01 200		Detail - Gross Weight Description Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe weights that apply to the entire shipment.	M NO 1/12	2	010	M	1	>1	1	HL	HL01	628	M AN 1/12
				HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.									
150-03 200		Hierarchical Level Code This code identifies the Gross Weight Description Loop. PH - Product Characteristic	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M ID 1/2
				HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.									
151		200 L0 SEGMENT - Shipment Gross Weight	C	2	145	O	1	20	2	L0			

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LOOP CONDITION: This segment is required if and only if HL SEGMENT - Gross Weight Description Loop is used.

If either L002 or L003 is present, then the other is required.
 If either L004 or L005 is present, then the other is required.
 If either L006 or L007 is present, then the other is required.
 If either L008 or L009 is present, then the other is required.
 If L011 is present, then L004 is required.
 If either L013 or L015 is present, then the other is required.

151-04 200 Shipment Gross Weight The total weight for the shipment. This weight includes the shipment net weight plus the tare weight. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_2 72/76]	M R 1/10 2 145 O 1 20 2 L0 L004 81 C R 1/10
151-05 200 Shipment Gross Weight Qualifier G - Gross Weight	M ID 1/1 2 145 O 1 20 2 L0 L005 187 C ID 1/2

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
151-11	200	Shipment Gross Weight Unit Qualifier E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	M ID 1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
152 Loop	200	HL SEGMENT - Detail - Tare Weight C Description LOOP CONDITION: Use when tare weight description is required.	C Description	2	010	M	1	> 1	1	HL					
				<p>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.</p> <p>The HL segment defines a top-down/left-right ordered structure.</p>											
152-01	200	Detail - Tare Weight Description Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe tare weights that apply to the entire shipment.	M N0 1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
				<p>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.</p>											
152-03	200	Hierarchical Level Code	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2

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<p>This code identifies the Tare Weight Description Loop. PH - Product Characteristic</p>	<p>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.</p>
<p>153 200 L0 SEGMENT - Shipment Tare Weight C</p> <p>LOOP CONDITION: Required if and only if HL SEGMENT - Detail - Tare Weight Description Loop is used.</p>	<p>2 145 O 1 20 2 L0</p> <p>If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.</p>
<p>153-04 200 Shipment Tare Weight M R 1/8</p> <p>The actual tare weight of the shipment. Tare weight is the weight of the truck or container. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_2 72/76]</p>	<p>2 145 O 1 20 2 L0 L004 81 C R 1/10</p>
<p>153-05 200 Shipment Tare Weight Qualifier M ID 1/1</p> <p>T - Tare Weight</p>	<p>2 145 O 1 20 2 L0 L005 187 C ID 1/2</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
153-11		200 Shipment Tare Weight Unit Qualifier E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	M ID 1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
154		200 HL SEGMENT - Net Weight Description Loop The HL Net Weight Description Loop must occur for the shipment net weight. The HL Net Weight Description Loop must occur for the shipment net weight.	M	2	010	M	1	> 1	1	HL					
154-01		200 Detail - Net Weight Description Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe net weights that apply to the entire shipment.	M N0 1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
154-03		200 Hierarchical Level Code	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2

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<p>This code identifies the Net Weight Description Loop. PH - Product Characteristic</p>	<p>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.</p>
<p>155 200 L0 SEGMENT - Shipment Net M Weight</p>	<p>2 145 O 1 20 2 L0 If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.</p>
<p>155-04 200 Shipment Net Weight M R 1/8 The net weight of the shipment. Net weight = freight weight + skid weight + pallet weight + dunnage weight. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_2 72/76]</p>	<p>2 145 O 1 20 2 L0 L004 81 C R 1/10</p>
<p>155-05 200 Shipment Net Weight Qualifier M ID 1/1 N - Actual Net Weight</p>	<p>2 145 O 1 20 2 L0 L005 187 C ID 1/2</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
155-11 200		Shipment Net Weight Unit Qualifier E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	M ID 1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
156		200 HL SEGMENT - Net Explosive Weight Description Loop (English) LOOP CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required and the shipment is an explosive danger.	C	2	010	M	1	> 1	1	HL					
156-01 200		Detail - Net Explosive Weight Description (English) Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe English weights that apply to the entire shipment.	M N0 1/12 Loop	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12

	the transaction.
<p>156-03 200 Hierarchical Level Code M ID 1/2</p> <p>This code identifies the Net Explosive Weight Description (English) Loop. PH - Product Characteristic</p>	<p>2 010 M 1 >1 1 HL HL03 735 M ID 1/2</p> <p>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.</p>
<p>157 200 L0 SEGMENT - Shipment Net Explosive Weight (Dry) C</p> <p>LOOP CONDITION: Required if and only if HL SEGMENT - Net Explosive Weight Description Loop (English) Loop is used. Then, it is required to satisfy X12 syntax whether explosive is dry or wet.</p>	<p>2 145 O 1 20 2 L0</p> <p>If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.</p>
<p>157-04 200 Shipment Net Explosive Weight (Dry) C R 1/8</p> <p>Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. If explosive is wet, enter value zero (0) to satisfy X12 syntax. ELEMENT CONDITION: Enter net explosive weight if explosive is dry. [T_2 72/76]</p>	<p>2 145 O 1 20 2 L0 L004 81 C R 1/10</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
157-05		200 Shipment Net Explosive Weight Qualifier This element is required to satisfy X12 syntax whether explosive is dry or wet. CE - Certified Weight of Cargo	M ID 2/2	2	145	O	1	20	2	L0	L005	187	C	ID	1/2
157-11		200 Shipment Net Explosive Weight Qualifier (Dry) ELEMENT CONDITION: Use this element only if explosive is dry. E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	C ID 1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
158		200 MEA SEGMENT - Shipment Net Explosive Weight (Wet) SEGMENT CONDITION: Use this segment only if explosive is wet.	C	2	160	O	10	20	2	L0					

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158-01	200 Shipment Net Explosive Weight Qualifier (Wet) NX - Net Explosive Weight	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2
158-03	200 Shipment Net Explosive Weight (Wet) Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_9 D-21 13/16]	M	R	1/8	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
158-04	Composite Unit of Measure (Wet) C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter.	M	CE		2	160	O	10	20	2	L0	MEA04	C001	C	CE	
158-04-01	Shipment Net Explosive Weight Qualifier 2/2 (Wet) By placing code value 'GA' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. GA - Gallon	M	ID		2	160	C	10	20	2	L0	C00101	355	M	ID	2/2

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
159		200 HL SEGMENT - Net Explosive Weight Description Loop (Metric) LOOP CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required and the shipment is an explosive danger.	C	2	010	M	1	> 1	1	HL					
159-01	200	Detail - Net Explosive Weight Description (Metric)	M N0 1/12 Loop	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
		Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe Net Explosive Weights (Metric) that apply to the entire shipment.													
159-03	200	Hierarchical Level Code	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
		This code identifies the Net Explosive Weight Description (Metric) Loop. PH - Product Characteristic													
160		200 L0 SEGMENT - Shipment Net Explosive Weight (Dry)	C	2	145	O	1	20	2	L0					

160-04 200 Shipment Net Explosive Weight (Dry) M R 1/8 Use value zero (0) to satisfy X12 syntax. [T_2 72/76]	2 145 O 1 20 2 L0 L004 81 C R 1/10
160-05 200 Shipment Net Explosive Weight Qualifier M ID 2/2 This element is required to satisfy X12 syntax whether explosive is dry or wet. CE - Certified Weight of Cargo	2 145 O 1 20 2 L0 L005 187 C ID 1/2

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
160-11		200 Shipment Net Explosive Weight Qualifier (Dry) ELEMENT CONDITION: Use this element only if explosive is dry. E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T Long Ton	C ID 1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
161		200 MEA SEGMENT - Shipment Net Explosive Weight (Wet) SEGMENT CONDITION: Use this segment only if explosive is wet.	C	2	160	O	10	20	2	L0					
161-01		200 Shipment Net Explosive Weight Qualifier (Wet) NX - Net Explosive Weight	M ID 2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2

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<p>161-03 200 Shipment Net Explosive Weight (Wet) M R 1/8</p> <p>Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_9 D-21 13/16]</p>	<p>2 160 O 10 20 2 L0 MEA03 739 C R 1/20</p>
<p>161-04 Composite Unit of Measure M CE</p> <p>C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter.</p>	<p>2 160 O 10 20 2 L0 MEA04 C001 C CE</p>
<p>161-04-01 Shipment Net Explosive Weight Qualifier M ID</p> <p>2/2 (Wet)</p> <p>By placing code value 'LT' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. LT - Liter</p>	<p>2 160 C 10 20 2 L0 C00101 355 M ID 2/2</p>
<p>162 200 HL SEGMENT - Dunnage Weight C Description Loop</p> <p>LOOP CONDITION: Required if dunnage weight description Loop is required.</p>	<p>2 010 M 1 > 1 1 HL</p> <p>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.</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
162-01	200	Detail - Dunnage Weight Description Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe Dunnage Weights that apply to the entire shipment.	M	N0	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
162-03	200	Hierarchical Level Code This code identifies the Dunnage Weight Description Loop. PH - Product Characteristic	M	ID	2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
163	200	L0 SEGMENT - Shipment C Dunnage Weight LOOP CONDITION: Required if and only if HL SEGMENT Dunnage Weight Description Loop is used.				2	145	O	1	20	2	L0					
163-04	200	Shipment Dunnage Weight Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_2 72/76]	M	R	1/8	2	145	O	1	20	2	L0	L004	81	C	R	1/10
163-05	200	Shipment Dunnage Weight Qualifier CD - Chargeable Dunnage	M	ID	2/2	2	145	O	1	20	2	L0	L005	187	C	ID	1/2

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163-11	200 Shipment Dunnage Weight Unit Qualifier M	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
E - Metric Ton															
G - Grams															
K - Kilograms															
L - Pounds															
M - Measurement Ton															
O - Ounces															
S - Short Ton															
T - Long Ton															
164	200 HL SEGMENT - Pallet Weight	C Description Loop													
LOOP CONDITION: Required if pallet weight applies.				2	010	M	1	> 1	1	HL					
<p>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.</p> <p>The HL segment defines a top-down/left-right ordered structure.</p>															

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
164-01		200 Detail - Pallet Weight Description Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe pallet weights that apply to the entire shipment.	M N0 1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
164-03		200 Hierarchical Level Code This code identifies the Pallet Weight Description Loop. PH - Product Characteristic	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
165		200 L0 SEGMENT - Shipment Pallet C Weight LOOP CONDITION: Required if and only if HL SEGMENT - Pallet Weight Description Loop is used.		2	145	O	1	20	2	L0					
165-04		200 Shipment Pallet Weight Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_2 72/76]	M R 1/8	2	145	O	1	20	2	L0	L004	81	C	R	1/10
165-05		200 Shipment Pallet Weight Qualifier PA - Pallet Weight	M ID 2/2	2	145	O	1	20	2	L0	L005	187	C	ID	1/2

165-11 200 Shipment Pallet Weight Unit Qualifier M ID 1/1 E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	2 145 O 1 20 2 L0 L011 188 O ID 1/1
166 200 HL SEGMENT - Skid Weight C Description Loop LOOP CONDITION: Required if skid weight is required.	2 010 M 1 > 1 1 HL The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure.

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
166-01		200 Detail - Skid Weight Description Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe skid weights that apply to the entire shipment.	M N0 1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
166-03		200 Hierarchical Level Code This code identifies the Skid Weight Description Loop. PH - Product Characteristic	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
167		200 L0 SEGMENT - Shipment Skid C Weight LOOP CONDITION: Required if and only if HL SEGMENT - Skid Weight Description Loop is used.		2	145	O	1	20	2	L0					
167-04		200 Shipment Skid Weight Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_2 72/76]	M R 1/8	2	145	O	1	20	2	L0	L004	81	C	R	1/10
167-05		200 Shipment Skid Weight Qualifier SK - Skid Weight	M ID 2/2	2	145	O	1	20	2	L0	L005	187	C	ID	1/2

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167-11	200 Shipment Skid Weight Unit Qualifier	M	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
E - Metric Ton																
G - Grams																
K - Kilograms																
L - Pounds																
M - Measurement Ton																
O - Ounces																
S - Short Ton																
T - Long Ton																
168	200 HL SEGMENT - Freight Weight M Description Loop															
					2	010	M	1	> 1	1	HL					
<p>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.</p> <p>The HL segment defines a top-down/left-right ordered structure.</p>																

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
168-01	200	Detail - Freight Weight Description Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe freight weights that apply to the entire shipment.	M NO 1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
168-03	200	Hierarchical Level Code This code identifies the Freight Weight Description Loop. PH - Product Characteristic	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
169	200	L0 SEGMENT - Shipment Freight Weight	M	2	145	O	1	20	2	L0					
169-04	200	Shipment Freight Weight Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. The freight weight for all commodities should be accumulated and carried in the data element. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_2 72/76]	C R 1/8	2	145	O	1	20	2	L0	L004	81	C	R	1/10
169-05	200	Shipment Freight Weight Qualifier FR - Freight Weight	C ID 2/2	2	145	O	1	20	2	L0	L005	187	C	ID	1/2

<p>169-11 200 Shipment Freight Weight Unit Qualifier E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton</p>	<p>M ID 1/1 2 145 O 1 20 2 L0 L011 188 O ID 1/1</p>
<p>170 300 HL SEGMENT - Accessorial/Protective C Services Loop LOOP CONDITION: Required if the shipment calls for accessorial or protective service. One HL Accessorial/Protective Services Loop must occur for each service ordered.</p>	<p>2 010 M 1 > 1 1 HL The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure.</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
		170-01 300 Detail - Accessorial/Protective Services Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the Accessorial/Protective Services Loop. See Section 5.0 (DTEB Freight Bill of Lading Shipment Information Implementation Convention) for looping logic and examples.	M N0 1/12	2	010	M	1	>1	1	HL	HL01	628	M AN	1/12	
		170-03 300 Hierarchical Level Code This code identifies the Accessorial/Protective Services Loop. SS - Services	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M ID	1/2	
171		300 N7 SEGMENT - Primary Equipment Identifier SEGMENT CONDITION: Required if the shipment moves on multiple pieces of equipment and the accessorial/protective service applies to a particular piece of equipment. Do not use this segment if the accessorial/protective service applies to the whole shipment.	C	2	020	O	1	>1	1	HL					
		171-01 300 Equipment Initial This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes initials of the furnished primary equipment in/on which the commodity is conveyed. ELEMENT CONDITION: If the value in N702 is other than 'NONE', or the equipment initials are not available, use the SCAC. SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association [T_2 9/12]	C AN 1/4	2	020	O	1	>1	1	HL	N701	206	O AN	1/4	

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<p>171-02 300 Equipment Number M AN 1/10 This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes numbers on the furnished primary equipment in/on which the commodity is conveyed. [T_4 9/14]</p>	<p>2 020 O 1 >1 1 HL N702 207 M AN 1/10</p>
<p>172 300 N9 SEGMENT - Service Performed C SEGMENT CONDITION: Required for accessorial/protective services.</p>	<p>2 100 O 10 >1 1 HL At least one of N902 or N903 is required. If N906 is present, then N905 is required.</p>
<p>172-01 300 Service Performed Identifier M ID 2/2 1P - Accessorial Status Code</p>	<p>2 100 O 10 >1 1 HL N901 128 M ID 2/3</p>
<p>172-02 300 Service Performed Date Qualifier C AN 2/2 Use the following value to denote the DoD definition as indicated: DP Date Service was Performed [T_9 D-13 78/79]</p>	<p>2 100 O 10 >1 1 HL N902 127 C AN 1/30</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
		172-04 300 Service Performed Date The date the service was performed.	C	DT	8/8	2	100	O	10	>1	1	HL	N904	373	O	DT	8/8
173		300 N9 SEGMENT - Stop Sequence Number SEGMENT CONDITION: Required if stop-offs occur.	C			2	100	O	10	>1	1	HL					
		173-01 300 Stop Sequence Number Qualifier QN - Stop Sequence Number	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
		173-02 300 Stop Sequence Number If stops apply to a shipment, a service code is identified with a stop by carrying the sequence number of the stop address in this data element. That sequence number appears in the S5 segment in the header area of the transaction set.	M	N0	1/2	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
174		300 L0 SEGMENT - Service Units LOOP CONDITION: Required if and only if HL SEGMENT - Accessorial/Protective Services Loop is used.	C			2	145	O	1	20	2	L0					
		174-01 300 Service Loop Identifier Use value '300' to indicate service loop.	M	N0	3/3	2	145	O	1	20	2	L0	L001	213	O	N0	1/3
		174-02 300 Service Units The number of units (i.e. hours, 100 weight, etc.) for a specific additional service performed by the carrier. If this number is fractional, carry the decimal; if an integer, a decimal is not required. If service units do not apply, leave L002 and L003 blank.	C	R	1/11	2	145	O	1	20	2	L0	L002	220	C	R	1/11

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<p>174-03 300 Service Units Qualifier C ID 2/2</p> <p>ELEMENT CONDITION: Required if L002 is used.</p> <p>SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.</p>	<p>2 145 O 1 20 2 L0 L003 221 C ID 2/2</p>
<p>175 300 L1 SEGMENT - Service Rate C</p> <p>SEGMENT CONDITION: Required if and only if L0 SEGMENT - Service Units is used.</p>	<p>2 150 O 20 20 2 L0</p> <p>If either L102 or L103 is present, then the other is required.</p> <p>At least one of L104, L105, or L106 is required.</p> <p>If either L114 or L115 is present, then the other is required.</p> <p>If either L117 or L118 is present, then the other is required.</p>
<p>175-02 300 Service Rate C R 1/7</p>	<p>2 150 O 20 20 2 L0 L102 60 C R 1/9</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
175-03	300	Service Rate Qualifier ELEMENT CONDITION: Required if L102 is used. SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments, Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: FC, NM, P1, PM, XP	C	ID	2/2	2	150	O	20	20	2	L0	L103	122	C ID 2/2
175-04	300	Service Charge The charge for an accessorial or protective service. If the shipper does not know the charge, enter '00' in this data element. A two-position decimal is implied in this data.	M	N2	1/10	2	150	O	20	20	2	L0	L104	58	C N2 1/12
175-08	300	Service Identifier Code Code values apply both to services requested and received. See Section 6.0 for valid code list. SOURCE: Reference Section 6.0 of this IC, beginning on page 6.14, for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: 045, 495, 500, AAM, AAS	M	ID	3/3	2	150	O	20	20	2	L0	L108	150	O ID 3/3

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<p>175-12 300 Service Description C AN 2/25</p> <p>Some accessorial services such as empty movements and stops (including stop-offs, inside pickup and delivery, and objective service supply deliveries) require a Standard Point Location Code (SPLC) to describe where the service was performed. This information is required to determine the charge for the service.</p> <p>SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments, Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.</p> <p>Sample Values: LTL, TL</p>	<p>2 150 O 20 20 2 L0 L112 276 O AN 2/25</p>
<p>176 300 HL SEGMENT - Level of Service Loop C</p> <p>LOOP CONDITION: Use for air freight shipments.</p>	<p>2 010 M 1 > 1 1 HL</p> <p>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.</p> <p>The HL segment defines a top-down/left-right ordered structure.</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
176-01	300	Hierarchical ID Number	M AN 1/12	2	010	M	1	>1	1	HL	HL01	628	M AN	1/12
				<p>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.</p>										
176-03	300	Hierarchical Level Code	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M ID	1/2
		SS - Services												
				<p>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.</p>										
177		300 SL1 SEGMENT - Level of Service	C	2	095	O	1	> 1	1	HL				
		SEGMENT CONDITION: Required for air freight shipments.												
				<p>At least one of SL103 or SL104 is required.</p> <p>Scale and commodity codes are proprietary codes maintained by the carrier.</p>										
177-01	300	Service Level Code	M ID 2/2	2	095	O	1	>1	1	HL	SL101	284	M ID	2/2
		AE - Delivery Scheduled Extended by Cartage Agent. <i>Use 'AE' to denote Extended</i>												
		D1 - Delivery Scheduled Next Day by Cartage Agent <i><i>Use 'D1' to denote Overnight.</i></i>												
		D2 - Delivery scheduled second day by cartage agent <i><i>Use 'D2' to denote Second Day.</i></i>												
		D3 - Delivery scheduled third day by cartage agent <i><i>Use 'D3' to denote Deferred.</i></i>												
				<p>SL101 is the service requested by the customer.</p>										

<p>SG Standard Ground <i><i>Use 'SG' to denote Priority.</i></i></p>	
<p>177-03 300 Required Element M AN 1/1 Enter value zero (0) to satisfy X12 syntax.</p>	<p>2 095 O 1 >1 1 HL SL103 22 C AN 1/30</p>
<p>178 300 L0 SEGMENT - Type of Service C LOOP CONDITION: Required for air freight shipments.</p>	<p>2 145 O 1 20 2 L0 If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.</p>
<p>178-12 300 Type of Service Code M ID 2/2 AA - [Migration Code] Airport to Airport DA - Door-to-Airport of Debarkation DD - Door to Door RD - Ramp to Door <i><i>Use 'RD' to denote Airport to Door.</i></i></p>	<p>2 145 O 1 20 2 L0 L012 56 O ID 2/2</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
179	300	L1 SEGMENT - Air Code SEGMENT CONDITION: Required for air freight shipments.	C	2	150	O	20	20	2	L0					
179-04	300	Air Charge Use value '000'.	M N2 3/3	2	150	O	20	20	2	L0	L104	58	C	N2	1/12
179-08	300	Air Code AIR - Air Freight	M ID 3/3	2	150	O	20	20	2	L0	L108	150	O	ID	3/3
180	301	HL SEGMENT - Fuel Surcharge Loop LOOP CONDITION: Required only when Mode is Air (BX02 code values 'AF', 'AH', 'FA') or Motor, as long as fuel surcharge policy is in effect.	C	2	010	M	1	> 1	1	HL					
180-01	301	Detail - Fuel Surcharge Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe a fuel surcharge.	M N0 1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
180-03	301	Hierarchical Level Code This code identifies the Fuel Surcharge Loop. 2 - Billing Arrangement	M ID 1/1	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2

			used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.												
181	301	L0 SEGMENT - Fuel Surcharge Loop Identifier LOOP CONDITION: Required if and only if HL SEGMENT Fuel Surcharge Loop is used.	C	2	145	O	1	20	2	L0					
181-01	301	Fuel Surcharge Loop Identifier Use value '301' to indicate fuel surcharge loop.	M N0 3/3	2	145	O	1	20	2	L0	L001	213	O	N0	1/3
182	301	L1 SEGMENT - Fuel Surcharge SEGMENT CONDITION: Required if and only if L0 SEGMENT - Fuel Surcharge Loop Identifier is used.	C	2	150	O	20	20	2	L0					
182-02	301	Fuel Surcharge Rate	C R 1/7	2	150	O	20	20	2	L0	L102	60	C	R	1/9

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
182-03 301		Fuel Surcharge Rate Qualifier PM - Per Mile PW - Percentage of Charges VT - Per Mile per Vehicle	C ID 2/2	2	150	O	20	20	2	L0	L103	122	C	ID	2/2
182-04 301		Fuel Surcharge The charge allowed for fuel surcharge.	M N2 1/8	2	150	O	20	20	2	L0	L104	58	C	N2	1/12
182-08 301		Fuel Surcharge Service Identifier 405 - Fuel Surcharge <i>Use '405' to denote Fuel Surcharge for Air and Fuel Adjustment for non-Air.</i>	M ID 3/3	2	150	O	20	20	2	L0	L108	150	O	ID	3/3
183 Loop		400 HL SEGMENT - Commodity Classification LOOP CONDITION: Required except for ocean and SPOT BID shipments.	C Summary	2	010	M	1	> 1	1	HL					
				<p>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.</p> <p>The HL segment defines a top-down/left-right ordered structure.</p>											
183-01 400		Detail - Commodity Classification Summary Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins a loop used to describe each different type of commodity being moved under the bill. Description of each individual commodity type requires an HL Segment.	M N0 1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
				<p>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.</p>											
183-03 400		Hierarchical Level Code This code identifies the Commodity Classification Summary Loop. D - Product Description	M ID 1/1	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
				<p>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</p>											

																				used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.												
184	400	L7 SEGMENT - Tariff/Tender Rate Authority	C																	2	090	O	10	>1	1	HL						
		SEGMENT CONDITION: Used for SPOT BID shipments as well as ocean shipments.																														
184-02	400	Tariff/Tender Rate Authority (SCAC)	M	ID	2/4															2	090	O	10	>1	1	HL	L702	168	O	ID	1/4	
		The Standard Carrier Alpha Code that prefixes the tender number. SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC - STAC), NMF 101 Series available from National Motor Freight Traffic Association, Inc.																														
184-03	400	Tariff/Tender Number	M	N0	6/6															2	090	O	10	>1	1	HL	L703	171	O	AN	1/7	
184-08	400	Tariff/Tender Supplement Identifier	C	N0	2/2															2	090	O	10	>1	1	HL	L708	173	O	AN	1/4	
		Enter two-digit number, using leading zero as required.																														

DoD INFORMATION					X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
		184-10 400 Tariff/Tender Effective Date Include for Tailored Transportation Contract (TTC) Traffic shipments.	C	DT	8/8	2	090	O	10	>1	1	HL	L710	373	O DT 8/8	
															L710 is the effective date.	
185		400 L5 SEGMENT - Commodity Description SEGMENT CONDITION: Required if and only if HL SEGMENT - Commodity Classification Summary Loop is used.	C			2	130	O	10	>1	1	HL				If either L503 or L504 is present, then the other is required. If L507 is present, then L506 is required. If either L508 or L509 is present, then the other is required.
		185-02 400 Commodity Description [T_8 11/14]	C	AN	1/50	2	130	O	10	>1	1	HL	L502	79	O AN 1/50	L502 may be used to send quantity information as part of the product description.
		185-03 400 Commodity Code If the shipment goes FAK, enter the DoD unique FAK code instead of the NMFC/UFC. [T_0 18/18]	M	AN	6/8	2	130	O	10	>1	1	HL	L503	22	C AN 1/30	
		185-04 400 Commodity Code Qualifier D - Department of Defense Unique Codes N - National Motor Freight Classification (NMFC) T - Standard Transportation Commodity Code (STCC) U - Uniform Freight Classification (UFC)	M	ID	1/1	2	130	O	10	>1	1	HL	L504	23	C ID 1/1	
186		400 L0 SEGMENT - Commodity Billed/Rated Quantity LOOP CONDITION: Required if and only if HL SEGMENT - Commodity Classification Summary Loop is used.	C			2	145	O	1	20	2	L0				If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required.

If either L013 or L015 is present, then the other is required.

186-02 400 Commodity Billed/Rated Quantity

M R 1/8

2 145 O 1 20 2 L0 L002 220 C R 1/11

All quantities that appear in HL Line Item Description Loops must be accumulated by commodity and carried here within the HL Detail - Commodity Classification Summary Loop. A commodity is a single type of product or material. Transportation of a commodity is usually billed/rated by units of freight weight. A line item on a transportation bill describes a single commodity. The quantity of a line item commodity is described in the HL Detail - Line Item Description loop. There may be many line items (i.e., HL Detail - Line Item Description loops) of the same commodity. As with line item quantities, to describe accumulated quantities, two rules must be followed when constructing an LO segment: 1) If the accumulated billed/rated quantity is expressed as freight weight, it appears here. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. Entry should not contain a decimal; decimal is assumed at right-most point of the field. The L004, L005, and L011 elements are not used. 2) If the accumulated billed/rated quantity is other than weight, such as barrels in the case of a pipeline shipment, it also appears here. In addition, the L004, L005, and L011 elements are used to carry the accumulated weight information, if required.

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
186-03	400	Commodity Billed/Rated Quantity Qualifier BA - Barrels GL - Gallon LB - Pound	M	ID	2/2	2	145	O	1	20	2	L0	L003	221	C	ID	2/2
186-04	400	Weight If the commodity freight weight has not been expressed as commodity billed/rated quantity in L002, then it can be expressed here. If the commodity is bulk fuel or another commodity that requires weight in addition to units shipped, carry the commodity's freight weight here and carry the units shipped in L002 and L003. Otherwise, carry all commodity weights in the L002 and L003. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	C	R	1/8	2	145	O	1	20	2	L0	L004	81	C	R	1/10
186-05	400	Weight Qualifier ELEMENT CONDITION: Required if L004 is used. FR - Freight Weight	C	ID	2/2	2	145	O	1	20	2	L0	L005	187	C	ID	1/2
186-11	400	Weight Unit Qualifier ELEMENT CONDITION: Required if L004 is used. E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces	C	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1

<p>S - Short Ton</p> <p>T - Long Ton</p>	
<p>187 400 L1 SEGMENT - Freight Rate C</p> <p>SEGMENT CONDITION: Required if and only if L0 SEGMENT - Commodity Billed/Rated Quantity is used.</p>	<p>2 150 O 20 20 2 L0</p> <p>If either L102 or L103 is present, then the other is required. At least one of L104, L105, or L106 is required. If either L114 or L115 is present, then the other is required. If either L117 or L118 is present, then the other is required.</p>
<p>187-02 400 Freight Rate C R 1/9</p> <p>Enter freight rate applied to the shipment of the commodity. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.</p>	<p>2 150 O 20 20 2 L0 L102 60 C R 1/9</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
187-03		400 Freight Rate Qualifier ELEMENT CONDITION: Required if L102 is used. SOURCE: Reference Section 6.0 of this IC for code values using applicable Freight Rate Qualifier table. Common code values associated with multiple definitions prevents documentation of the entire sub-set. See Section 6 for list of data values.	C	ID	2/2	2	150	O	20	20	2	L0	L103	122	C ID 2/2
187-04		400 Freight Charge The total line haul charge for the specific commodity described in L503.	M	N2	1/10	2	150	O	20	20	2	L0	L104	58	C N2 1/12
187-09		400 Type of Rate Qualifier Qualifies the authority (tender/tariff) number identified in the HL Detail - Line Item Description loop, L7 segment. A - Alternate Rating C - Specific Commodity Rate I - Class Not Identifiable L - Class Rate QUO - Quoted Rate Y - Exception Rating	M	ID	1/3	2	150	O	20	20	2	L0	L109	121	O ID 1/3
187-14		400 Declared Value ELEMENT CONDITION: Required for proper application of rates for certain commodities.	C	N2	2/10	2	150	O	20	20	2	L0	L114	74	C N2 2/12
187-15		400 Declared Value Rate Qualifier ELEMENT CONDITION: Required if L114 is used. LA - Per Pound Per Article LB - Per Pound LV - Per Pound Per Vehicle	C	ID	2/2	2	150	O	20	20	2	L0	L115	122	C ID 2/2

PV - Per Vehicle		
188	400 LH1 SEGMENT - HAZMAT Quantities C LOOP CONDITION: Use this segment if the commodity is hazardous material.	2 170 O 1 100 2 LH1
188-01	400 HAZMAT - Unit Of Measure Code M ID 2/2 Use 'ZZ' in this data element and zero (0) in LH102 to indicate commodity requires a HAZMAT indicator. ZZ - Mutually Defined	2 170 O 1 100 2 LH1 LH101 355 M ID 2/2 LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
		188-02 400 HAZMAT - Lading Quantity Use the value zero (0). [T_9 D-15 54/79]	M N0 1/1	2	170	O	1	100	2	LH1	LH102	80	M N0	1/7
189		500 HL SEGMENT - ITO Quality Management Info C Loop Qualifier LOOP CONDITION: Use if the shipper needs to report quality control information, DG 500 must appear.		2	010	M	1	> 1	1	HL				
		189-01 500 Detail - ITO Quality Management Info Loop Qualifier Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to carry ITO Quality Management Information.	M N0 1/12	2	010	M	1	>1	1	HL	HL01	628	M AN	1/12
		189-03 500 Hierarchical Level Code This code identifies the ITO Quality Management Information Loop. AD - Administrative Information	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M ID	1/2
190		500 N9 SEGMENT - Reason (Not Lowest Cost) C SEGMENT CONDITION: Required only if HL SEGMENT - ITO Quality Management Info Loop Qualifier is used.	C	2	100	O	10	> 1	1	HL				

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<p>190-01 500 Reason (Not Lowest Cost) Qualifier This qualifier must appear if not lowest cost is used. 25 - Reason Not Lowest Cost Code</p>	<p>M ID 2/2</p> <p>2 100 O 10 >1 1 HL N901 128 M ID 2/3</p>
<p>190-02 500 Reason (Not Lowest Cost) Code that identifies the 'Reason Not Lowest Cost' service provided as defined by the "Freight Lading Bill Reason Code" table found in USTranscom Reference Data Management (TRDM), mirrored at http://www.transcom.mil/dteb/files/refdata/V_D_FRGHT_LDNG_BL4_CD.htm. [T_9 D-13 78/79]</p>	<p>M AN 1/30</p> <p>2 100 O 10 >1 1 HL N902 127 C AN 1/30</p>
<p>191 500 L0 SEGMENT - Quality Control LOOP CONDITION: This segment is required only if HL SEGMENT - ITO Quality Management Info Loop Qualifier is used.</p>	<p>C</p> <p>2 145 O 1 20 2 L0</p> <p>If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.</p>
<p>191-01 500 Item Qualifier Use value '500' to satisfy X12 syntax for the Not Lowest Cost Charge Difference Loop.</p>	<p>M N0 3/3</p> <p>2 145 O 1 20 2 L0 L001 213 O N0 1/3</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
192	500	L1 SEGMENT - Not Lowest Cost Charge Difference SEGMENT CONDITION: Required if and only if L0 SEGMENT - Quality Control is used.	C	2	150	O	20	20	2	L0				
	192-04 500	Not Lowest Cost Charge Difference Use value zero (0) if no charge difference is available.	M N2 1/12	2	150	O	20	20	2	L0	L104	58	C N2	1/12
193	600	HL SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee Loop LOOP CONDITION: Required for all Defense Freight Transportation Services (DFTS) shipments.	C	2	010	M	1	> 1	1	HL				
	193-01 600	Detail - TWCF Recovery Fee Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe the TWCF recovery fee associated to DFTS shipments.	M N0 1/12	2	010	M	1	>1	1	HL	HL01	628	M AN	1/12
	193-03 600	Hierarchical Level Code	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M ID	1/2

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<p>This code identifies the TWCF Recovery Fee Loop. CT - Cost Type</p> <p><i><i>Use 'CT' to denote Transportation Working Capital Fund (TWCF) Recovery Fee.</i></i></p>	<p>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.</p>
<p>194 600 L0 SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee Loop Identifier C</p> <p>LOOP CONDITION: Required if and only if HL SEGMENT Transportation Working Capital Fund (TWCF) Recovery Fee Loop is used.</p>	<p>2 145 O 1 20 2 L0</p> <p>If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.</p>
<p>194-01 600 TWCF Recovery Fee Loop Identifier M NO 3/3 Use value '600' to indicate TWCF Recovery Fee loop.</p>	<p>2 145 O 1 20 2 L0 L001 213 O NO 1/3</p>
<p>195 600 L1 SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee C</p> <p>SEGMENT CONDITION: Required if and only if L0 SEGMENT Transportation Working Capital Fund (TWCF) Recovery Fee Loop Identifier is used.</p>	<p>2 150 O 20 20 2 L0</p> <p>If either L102 or L103 is present, then the other is required. At least one of L104, L105, or L106 is required. If either L114 or L115 is present, then the other is required. If either L117 or L118 is present, then the other is required.</p>
<p>195-02 600 TWCF Recovery Fee Rate C R 1/7 ELEMENT CONDITION: Used to pass the TWCF Recovery Fee rate applied per the DFTS contract.</p>	<p>2 150 O 20 20 2 L0 L102 60 C R 1/9</p>
<p>195-03 600 TWCF Recovery Fee Qualifier C ID 2/2 PS - Per Shipment</p>	<p>2 150 O 20 20 2 L0 L103 122 C ID 2/2</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
195-04	600	TWCF Recovery Fee The charge allowed for TWCF recovery fee.	M N2 1/8	2	150	O	20	20	2	L0	L104	58	C	N2	1/12
195-08	600	TWCF Recovery Fee Service Identifier 615 - Recovery Fee <i>Use '615' to denote Transportation Working Capital Fund (TWCF) Recovery Fee.</i>	M ID 3/3	2	150	O	20	20	2	L0	L108	150	O	ID	3/3
196	990	L3 SEGMENT - Bill of Lading Totals M		3	010	O	1								
196-05	990	Total Charge for Shipment Estimated or calculated charge for entire shipment.	M N2 1/12	3	010	O	1				L305	58	O	N2	1/12
196-09	990	Total Cube of Shipment [T_0 77/80]	C R 1/8	3	010	O	1				L309	183	C	R	1/8
196-10	990	Total Cube of Shipment Qualifier ELEMENT CONDITION: This qualifier must appear if total cube of shipment (L309) is used. E - Cubic Feet F - 100 Board Feet G - Gallons H - Hundreds of Measurement Tons S - Measurement Ton	C ID 1/1	3	010	O	1				L310	184	C	ID	1/1

<p>V - Liter</p> <p>X - Cubic Meters</p>	
<p>196-11 990 Number of Carloads/Truckloads Used C NO 1/3</p> <p>The total number of pieces of equipment used for the shipment. This quantity may be used to rate the cost of a shipment.</p>	<p>3 010 O 1 L311 80 O NO 1/7</p>
<p>197 10 SE SEGMENT - Bill of Lading Trailer M</p>	<p>3 020 M 1</p> <p>SE is the last segment of each transaction set.</p>
<p>197-01 10 Number of Included Segments M NO 1/6</p> <p>Total segments in this transaction set including the ST and SE segments.</p>	<p>3 020 M 1 SE01 96 M NO 1/10</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION		
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
197-02	10	Transaction Set Control Number This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set.	M AN 4/9	3	020	M	1				SE02	329	M AN 4/9

DoD INFORMATION						X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
1	10	ST SEGMENT - Bill of Lading Header	M			1	010	M	1						
1-01	10	Transaction Set Identifier Code 858 - Shipment Information	M	ID	3/3	1	010	M	1				ST01	143	M ID 3/3
1-02	10	Transaction Set Control Number The application and structure of the control number must be agreed upon between trading partners. (For example, some applications use all nine digits where the first five might indicate a group control number and the last four represent the sequence of the transaction set within the functional group. Also, the entire nine digit field may simply represent the sequence of the transaction set generated by a trading partner.)	M	AN	4/9	1	010	M	1				ST02	329	M AN 4/9
2	10	BX SEGMENT - Bill of Lading Number	M			1	030	M	1						
2-01	10	Transaction Set Purpose Code [T_0 53/53] 00 - Original 01 - Cancellation 04 - Change 14 - Advance Notification 20 - Final Transmission	M	ID	2/2	1	030	M	1				BX01	353	M ID 2/2
2-02	10	Transportation Method Code (Mode Code) [T_0 27/27] See Section 6 for list of data values.	M	ID	1/2	1	030	M	1				BX02	91	M ID 1/2
2-03	10	Method of Payment Use only 'TP' for ocean shipments only. CC - Collect CD - Collect on Delivery	M	ID	2/2	1	030	M	1				BX03	146	M ID 2/2

PP - Prepaid (by Seller)														
TP - Third Party Pay														
2-04	10	Bill of Lading/Shipment ID Number	M	AN	8/30	1	030	M	1		BX04	145	O AN	1/30
Carry either original or most recent bill of lading number or shipment identification number here. For ocean shipments, use TCN as shipment identifier. Do not use any punctuation or special characters. [T_2 30/46]														

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
2-05	10	Transportation Company Tendered To (SCAC) Use SCAC of origin carrier. SCAC should be validated against the National Motor Freight Traffic Association (NMFTA) SCAC reference file. For ocean shipments, enter 'NONE' if carrier is unknown. This entry represents the booked carrier for ocean shipments, not the carrier that actually transports the shipment. For Defense Transportation Coordination Initiative (DTCI) or Defense Freight Transportation Services (DFTS) shipments, enter the DTCI or DFTS coordinator's SCAC. SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	M	ID	2/4	1	030	M	1				BX05	140	O ID 2/4
2-07	10	Bill Purpose/Application Type Code A - Sub for Assembly <i>Use 'A' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Break-Bulk.</i> B - Bill of Lading for Individual Shipment C - Consolidated Shipment <i>Use 'C' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Consolidation Header (Stand-Alone).</i> E - Empty Equipment Billing (Non-Revenue)	M	ID	1/1	1	030	M	1				BX07	147	O ID 1/1

<p><i>Use 'E' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Container (Skeleton SI).</i></p> <p>F - Stop-off Shipment</p> <p><i>Use 'F' to denote Negotiated Rates for Foreign Military Sales Bills of Lading.</i></p> <p>G - Switch Waybill</p> <p><i>Use 'G' to denote Negotiated Rates for Tailored Transportation Contract Traffic Bill of Lading.</i></p> <p>M - Master Bill of Lading for Assembly, Distribution and Volume Shipment</p> <p><i>Use 'M' to denote Commercial Rates for Foreign Military Sales Bills of Lading.</i></p> <p>Z - Commercial Zone Pick-up</p> <p><i>Use 'Z' to denote OCEAN CARGO SHIPPING INSTRUCTIONS Container..</i></p>	
<p>2-09 10 Vehicle Fully Loaded (Capacity Load Status) C ID 1/1 ELEMENT CONDITION: Include if shipment is tendered as truckload. F - Full Capacity</p>	<p>1 030 M 1 BX09 195 O ID 1/1</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION		
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
2-10	10	Defense Transportation Tracking System Reporting Qualifier Use of this element results in immediate Military Surface Deployment and Distribution Command (SDDC) processing for DTTS shipments. ELEMENT CONDITION: Include if the Defense Transportation Tracking System (DTTS) is required. R - Automatic Status Report Requested	C	ID	1/1	1	030	M	1			BX10	160	O ID 1/1
2-14	10	Application Type Use the following migration code value to denote the DoD definition as indicated: ELEMENT CONDITION: Use when broker. BF - [Migration Code] Broker Files	C	ID	2/2	1	030	M	1			BX14	346	O ID 2/2
3	10	BNX SEGMENT - Shipment Weight and Billing SEGMENT CONDITION: Use when weight and billing data are required.	C			1	040	O	1					
3-01	10	Shipment Weight Code [T_0 15/15] A - Shipper's Weight Agreement	M	ID	1/1	1	040	O	1			BNX01	460	O ID 1/1
3-03	10	Billing Code S - Single Shipment Billing	M	ID	1/1	1	040	O	1			BNX03	11	O ID 1/1
4	10	N9 SEGMENT - Transaction Content ID SEGMENT CONDITION: Required for all shipments except by ocean.	C			1	060	O	30					At least one of N902 or N903 is required. If N906 is present, then N905 is required.
4-01	10	Transaction Content ID Qualifier FI - File Identifier	M	ID	2/2	1	060	O	30			N901	128	M ID 2/3

DoD INFORMATION							X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes				Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
4-02	10	Transaction Content ID This data element identifies the application contents of the 858. The following DoD-unique codes should be used by all trading partners to identify the data content in the transaction set: CI - Cost Information CR - Cost Request DC - Doubtful Claim SC - Shipment and Cost Information SI - Shipment Information SM - Supplemental Claim SP - Supplemental Bill	M	AN	2/2		1	060	O	30				N902	127	C AN 1/30
5	10	N9 SEGMENT - Route Order/Release No/Emergency Routings SEGMENT CONDITION: Include this segment when moving a Tailored Transportation Contract (TTC) Traffic or SDDC routed shipment.	C				1	060	O	30						At least one of N902 or N903 is required. If N906 is present, then N905 is required.
5-01	10	Route Order/Release No/Emergency Routings Qualifier RG - Route Order Number-Domestic RH - Route Order Number-Export RJ - Route Order Number-Emergency	M	ID	2/2		1	060	O	30				N901	128	M ID 2/3
5-02	10	Route Order/Release No/Emergency Routings	M	AN	10/10		1	060	O	30				N902	127	C AN 1/30

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6	10	N9 SEGMENT - Carrier Way/Freight Bill Number	C			1	060	O	30								At least one of N902 or N903 is required. If N906 is present, then N905 is required.	
		SEGMENT CONDITION: Include this segment if the freight bill number is available.																
6-01	10	Carrier Way/Freight Bill Number Qualifier CN - Carrier's Reference Number (PRO/Invoice)	M	ID	2/2	1	060	O	30	N901	128	M	ID	2/3				
6-02	10	Carrier Way/Freight Bill Number	M	AN	1/30	1	060	O	30	N902	127	C	AN	1/30				
6-04	10	Carrier Way/Freight Bill Date	C	DT	8/8	1	060	O	30	N904	373	O	DT	8/8				
7	10	N9 SEGMENT - Authority Number (Contract/PO)	C			1	060	O	30								At least one of N902 or N903 is required. If N906 is present, then N905 is required.	
		SEGMENT CONDITION: Use this segment if an authority number applies to the shipment.																

DoD INFORMATION					X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
7-01	10	Authority Number (Contract/PO) Qualifier CT - Contract Number PO - Purchase Order Number	M	ID	2/2	1	060	O	30			N901	128	M	ID 2/3
7-02	10	Authority Number (Contract/PO) Movements under contracts need to reflect the subcontract number for ocean shipments.	M	AN	1/30	1	060	O	30			N902	127	C	AN 1/30
7-04	10	Authority Number (Contract/PO) Date	C	DT	8/8	1	060	O	30			N904	373	O	DT 8/8
8	10	N9 SEGMENT - Service Agency Code SEGMENT CONDITION: Use for Tailored Transportation Contract (TTC) Traffic only; not used for DLA. GFM will not cost DLA TTC shipments.	C			1	060	O	30						At least one of N902 or N903 is required. If N906 is present, then N905 is required.
8-01	10	Service Agency Code Qualifier SV - Service Charge Number	M	ID	2/2	1	060	O	30			N901	128	M	ID 2/3
8-02	10	Service Agency Code A - Army B - Defense Mapping Agency F - Air Force M - Marine Corps N - Navy P - Coast Guard S - Defense Logistics Agency U - GSA	M	AN	1/1	1	060	O	30			N902	127	C	AN 1/30

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W - Army and AF Exchange												
X - Multi-Service												
Y - Non DoD - except Coast Guard												
9	10	N9 SEGMENT - Container TCN		C		1	060 O	30				
SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.						At least one of N902 or N903 is required. If N906 is present, then N905 is required.						
9-01	10	TCN for Each Container Qualifier TG - Transportation Control Number (TCN)	M	ID	2/2	1	060 O	30	N901	128	M ID	2/3
9-02	10	TCN for Each Container	M	AN	17/17	1	060 O	30	N902	127	C AN	1/30

DoD INFORMATION				X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
10	10	N9 SEGMENT - Container Transportation Tracking Number (TTN) SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS when moving unit move cargo and Transportation Tracking Number is applicable.	C	1	060	O	30						
10-01	10	Container Transportation Tracking Number (TTN) Qualifier 18 - Plan Number <i>Use '18' to denote Container Transportation Tracking Number (TTN) Qualifier.</i>	M ID 2/2	1	060	O	30				N901	128	M ID 2/3
10-02	10	Container Transportation Tracking Number (TTN)	M AN 17/17	1	060	O	30				N902	127	C AN 1/30
11	10	N9 SEGMENT - Carrier Booking Number SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS - Direct Booking. Not used otherwise.	C	1	060	O	30						
11-01	10	Carrier Booking Number Qualifier BN - Booking Number	M ID 2/2	1	060	O	30				N901	128	M ID 2/3
11-02	10	Carrier Booking Number	M AN 17/17	1	060	O	30				N902	127	C AN 1/30
12	10	N9 SEGMENT - Trade Route Number SEGMENT CONDITION: Required for ocean shipments. Identifies the trade route a shipment was booked/moved on.	C	1	060	O	30						
12-01	10	Trade Route Number Qualifier RU - Route Number	M ID 2/2	1	060	O	30				N901	128	M ID 2/3

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12-02	10	Trade Route Number	M	AN	1/4	1	060	O	30	N902	127	C	AN	1/30	
13	10	N9 SEGMENT - Vessel Name SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS - Direct Booking. Not used otherwise.	C			1	060	O	30						At least one of N902 or N903 is required. If N906 is present, then N905 is required.
13-01	10	Vessel Name Qualifier ABS - Vessel Name	M	ID	3/3	1	060	O	30	N901	128	M	ID	2/3	
13-02	10	Vessel Name Shippers should take great care in spelling vessel name correctly.	M	AN	1/30	1	060	O	30	N902	127	C	AN	1/30	

DoD INFORMATION					X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
14	10	N9 SEGMENT - Carrier Voyage Number SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS.	C		1	060	O	30						
14-01	10	Carrier Voyage Number Qualifier V3 - Voyage Number	M	ID 2/2	1	060	O	30				N901	128	M ID 2/3
14-02	10	Carrier Voyage Number	M	AN 1/10	1	060	O	30				N902	127	C AN 1/30
15	10	N9 SEGMENT - 3rd Party Logistics Coordinator Internal C Order Number SEGMENT CONDITION: Use for shipments with an internal order number assigned by a 3rd Party Logistics (DTCL or DFTS) coordinator's transportation management system and provided in the EDI Transportation Service Response transaction to the shipper.			1	060	O	30						
15-01	10	3rd Party Logistics (DTCL or DFTS) Internal Order Number Qualifier CB - Combined Shipment <i>Use 'CB' to denote DTCL Coordinator Internal Order Number.</i> RE - Release Number <i>Use 'RE' to denote Defense Freight Transportation Services (DFTS) Internal Order Number.</i>	M	ID 2/2	1	060	O	30				N901	128	M ID 2/3
15-02	10	3rd Party Logistics (DTCL or DFTS) Internal Order Number Enter the internal order number assigned by the 3rd Party Logistics (DTCL or DFTS) coordinator's transportation management system and provided in the EDI Transportation Service Response transaction to the shipper.	M	AN 1/30	1	060	O	30				N902	127	C AN 1/30
16	10	Y7 SEGMENT - Transportation Priority Code	C		1	080	O	1						

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<p>SEGMENT CONDITION: Use this segment if Military Standard Requisitioning and Issue Procedures (MILSTRIP) apply.</p>	<p>If either Y702 or Y703 is present, then the other is required.</p>
<p>16-01 10 Transportation Priority Code M NO 1/1 1 - Level 1 2 - Level 2 3 - Level 3</p>	<p>1 080 O 1 Y701 467 O NO 1/1</p>
<p>17 10 C3 SEGMENT - Currency Code C SEGMENT CONDITION: This segment indicates the currency used for the bill of lading. The segment is not required and will not be used when currency is in U.S. Dollars.</p>	<p>1 090 O 1 Currency is implied by the code for the country in whose currency the monetary amounts are specified.</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
17-01	10	Currency Code SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	M	ID	3/3	1	090	O	1			C301	100	M	ID 3/3
					C301 is the billing currency.										
18	10	G62 SEGMENT - Bill of Lading/Shipping Instruction Prepared Date	M			1	110	O	10						
					At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.										
18-01	10	Date Bill of Lading/Shipping Instruction Prepared Date Qualifier 76 - Bill of Lading	M	ID	2/2	1	110	O	10			G6201	432	C	ID 2/2
18-02	10	Date Bill of Lading/Shipping Instruction Prepared Date The date on which the bill of lading was printed at the origin installation.	M	DT	8/8	1	110	O	10			G6202	373	C	DT 8/8
19	10	G62 SEGMENT - Desired/Required Delivery	M			1	110	O	10						
					At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.										

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19-01	10	Desired/Required Delivery Date Qualifier	M	ID	2/2	1	110	O	10	G6201	432	C	ID	2/2
<p>This qualifier must appear if desired/required delivery date is used. Under applicable ocean contracts, the Contract Delivery Date will take precedence over the Required Delivery Date. Code '67' used only for 3rd Party Logistics (Defense Transportation Coordination Initiative (DTCI) or Defense Freight Transportation Services (DFTS)) shipments.</p> <p>54 - Deliver No Later Than Date</p> <p><i>Use '54' to denote Required Delivery Date.</i></p> <p>67 - Delivered By This Date</p> <p><i>Use '67' to denote Mandatory Delivery Date.</i></p> <p>68 - Requested Delivery Date</p> <p><i>Use '68' to denote Desired Delivery Date.</i></p>														
19-02	10	Desired/Required Delivery Date	M	DT	8/8	1	110	O	10	G6202	373	C	DT	8/8
20	10	G62 SEGMENT - Carrier's Pickup	C			1	110	O	10					
<p>SEGMENT CONDITION: Not required for ocean shipments. Required for all other shipment information transactions except advanced shipment notification.</p>						<p>At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.</p>								

DoD INFORMATION					X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
20-01	10	Carrier's Pickup Date Qualifier SDDC will accept only code value '86' from shippers. 86 - Actual Pickup Date	M	ID	2/2	1	110	O	10			G6201	432	C ID 2/2
20-02	10	Carrier's Pickup Date	M	DT	8/8	1	110	O	10			G6202	373	C DT 8/8

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

DoD INFORMATION				X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
22-02	10	Adjusted Date Shipped to POE	C DT 8/8	1	110	O	10				G6202	373	C DT
22-03	10	Adjusted Time Shipped to POE Qualifier W - Effective Time	M ID 1/1	1	110	O	10				G6203	176	C ID
22-04	10	Adjusted Time Shipped to POE Use format HHMMSS.	M TM 6/6	1	110	O	10				G6204	337	C TM
22-05	10	Adjusted Time Code SOURCE: ISO 8601 available from American National Standards Institute LT - Local Time	M ID 2/2	1	110	O	10				G6205	623	O ID
23	10	G62 SEGMENT - Delivery SEGMENT CONDITION: Use segment when date of delivery is available.	C	1	110	O	10						
													At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.
23-01	10	Date of Delivery Qualifier 35 - Delivered on This Date	M ID 2/2	1	110	O	10				G6201	432	C ID
23-02	10	Date of Delivery	M DT 8/8	1	110	O	10				G6202	373	C DT
24	10	G62 SEGMENT - Sailing Date SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.	C	1	110	O	10						
													At least one of G6201 or G6203 is required. If either G6201 or G6202 is present, then the other is required. If either G6203 or G6204 is present, then the other is required.
24-01	10	Sailing Date Qualifier 05 - Sailing Date	M ID 2/2	1	110	O	10				G6201	432	C ID

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24-02	10	Sailing Date	M	DT	8/8	1	110	O	10	G6202	373	C	DT
25	10	PER SEGMENT - Shipment Contact	C			1	120	O	3				
SEGMENT CONDITION: Use segment when telephone contact may be required with person receiving shipment.						If either PER03 or PER04 is present, then the other is required. If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.							
25-01	10	Shipment Contact Qualifier IC - Information Contact	M	ID	2/2	1	120	O	3	PER01	366	M	ID

DoD INFORMATION					X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
25-03	10	Shipment Contact Qualifier AU - Defense Switched Network FT - Federal Telecommunications System (FTS) TE - Telephone	M	ID	2/2	1	120	O	3			PER03	365	C	ID	2/2
25-04	10	Shipment Contact Telephone No. Telephone number of shipment POC.	M	AN	7/21	1	120	O	3			PER04	364	C	AN	1/80
26	10	PER SEGMENT - Emergency Response Telephone No. SEGMENT CONDITION: Use segment when shipment requires an emergency telephone contact.	C			1	120	O	3							
26-01	10	Emergency Response Telephone No. Function Code EF - Emergency Contact-Military Traffic Management Command (MTMC) <i>Use 'EF' to denote Emergency Contact - Military Surface Deployment and Distribution Command (SDDC).</i>	M	ID	2/2	1	120	O	3			PER01	366	M	ID	2/2
26-02	10	Contact Name	M	AN	1/60	1	120	O	3			PER02	93	O	AN	1/60
26-03	10	Emergency Response Telephone No. Qualifier AU - Defense Switched Network IT - International Telephone TE - Telephone	M	ID	2/2	1	120	O	3			PER03	365	C	ID	2/2

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26-04	10	Emergency Response Telephone No.	M	AN	7/21	1	120	O	3	PER04	364	C	AN	1/80
27	72	F9 SEGMENT - Originating Railroad Station SEGMENT CONDITION: Use to designate origination railroad station as applicable.	C			1	140	O	1					
27-02	72	Originating Railroad Station Name of railroad station where shipment originated.	M	AN	2/19	1	140	O	1	F902	19	M	AN	2/30
										F902 is the origin station for movement.				
27-03	72	State of Originating Railroad Station SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	M	ID	2/2	1	140	O	1	F903	156	M	ID	2/2

DoD INFORMATION						X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
27-08	72	SPLC of Originating Railroad Station SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc.	C	ID	9/9	1	140	O	1				F908	154	O ID 6/9 F908 is the Standard Point Location Code (SPLC) for the city named in the F902.
28	71	D9 SEGMENT - Destination Railroad Station SEGMENT CONDITION: Use to designate destination railroad station as applicable.	C			1	150	O	1						
28-02	71	Destination Railroad Station Name of railroad station where shipment will terminate.	M	AN	2/19	1	150	O	1				D902	19	M AN 2/30 D902 is the destination station of movement.
28-03	71	State of Destination Railroad Station SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	M	ID	2/2	1	150	O	1				D903	156	M ID 2/2
28-08	71	SPLC of Destination Railroad Station SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc.	C	ID	9/9	1	150	O	1				D908	154	O ID 6/9 D908 is the Standard Point Location Code (SPLC) for the city named in the D902.
29	10	R2 SEGMENT - Interline or 3PL Carrier SEGMENT CONDITION: For non-3PL coordinated shipments (Defense Transportation Coordination Initiative (DTCI) or Defense Freight Transportation Services (DFTS)) use this segment if interline carriers are used during shipment. However, shipper systems are not required to provide Interline Carrier Routing information for rail movements. For 3PL shipments (DTCI or DFTS), use this segment to identify the carrier to whom the 3PL coordinator has assigned the shipment.	C			1	170	O	13						If R208 is present, then R207 is required.
29-01	10	Via (Routing) SCAC For non-3PL coordinated shipments (DTCI or DFTS) enter SCAC of interline and destination carrier(s) in sequence after origin carrier. The origin carrier should not be included in an interline list. For 3PL coordinated shipments (DTCI or DFTS), enter the SCAC of the carrier to whom the 3PL coordinator assigned the shipment. SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	M	ID	2/4	1	170	O	13				R201	140	M ID 2/4

DoD INFORMATION						X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
29-02	10	Via (Routing) SCAC Qualifier Use 'B' for 3PL shipments (DTCI or DFTS) to indicate the carrier the 3PL coordinator assigned to the shipment. 1 - 1st Carrier after Origin Carrier 2 - 2nd Carrier after Origin Carrier 3 - 3rd Carrier after Origin Carrier 4 - 4th Carrier after Origin Carrier 5 - 5th Carrier after Origin Carrier A - Origin Carrier, Agent's Routing (Rail) B - Origin/Delivery Carrier (Any Mode) D - DELY (Delivery Switch Carrier) H - Haulage Rights Carrier and Junction I - Origin Switch Carrier M - Haulage Movement Carrier and Junction O - Origin Carrier (Air, Motor, or Ocean) R - Origin Carrier, Rule 11 Shipment S - Origin Carrier, Shipper's Routing (Rail) V - Intermediate Switch Carrier	M	ID	1/1	1	170	O	13				R202	133	M ID 1/2

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Z - Mutually Defined											
29-03	10	Via (Routing) Location	C	AN	2/30	1	170 O	13	R203	19	O AN 2/30
						R203 is the station or city name at which carriers interchange shipments.					
29-04	10	Via (Routing) SPLC SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc.	C	ID	9/9	1	170 O	13	R204	154	O ID 6/9
30	10	R4 SEGMENT - POE SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.	C			1	180 O	5			
						If either R402 or R403 is present, then the other is required. R4 is required for each port to be identified.					
30-01	10	Port or Terminal Function Code L - Port of Loading (Operational)	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 Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
30-02	10	Location Qualifier SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) IM - Military Standard Movement Procedures (MILSTAMP)	M	ID	2/2	1	180	O	5				R402	309	C ID 1/2
30-03	10	POE [T_3 21/23]	C	AN	3/3	1	180	O	5				R403	310	C AN 1/30
31	10	R4 SEGMENT - POD SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.	C			1	180	O	5						If either R402 or R403 is present, then the other is required. R4 is required for each port to be identified.
31-01	10	Port or Terminal Function Code D - Port of Discharge (Operational)	M	ID	1/1	1	180	O	5				R401	115	M ID 1/1
31-02	10	Location Qualifier SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) [T_0 20/20] IM - Military Standard Movement Procedures (MILSTAMP)	M	ID	2/2	1	180	O	5				R402	309	C ID 1/2
31-03	10	POD [T_3 21/23]	C	AN	3/3	1	180	O	5				R403	310	C AN 1/30
32	10	H3 SEGMENT - Accessorial/Protective Service SEGMENT CONDITION: Use if shipper orders accessorial services from the carrier. Use also if the Defense Transportation Tracking System (DTTS) is required.	C			1	200	O	20						Only one of H301 or H302 may be present.

32-01	10	Accessorial/Protective Service Ordered Identifier	M	ID	3/3	1	200 O	20	H301	152	C	ID	2/3
<p>Order accessorial services with this data element. To order accessorial services, the carrier industry requires the use of the H3 segment. This code also appears in the HL Accessorial/Protective Service (formerly LX 300) loop which is used to cost accessorial services. Do not use this element to order surveillance services; use the next occurrence of the H3 segment.</p>													
<p>See Section 6.0 for valid code list.</p>													
<p>SOURCE: Reference Section 6.0 of this IC beginning at page 6.14 for code values using applicable Accessorial</p>													
<p>Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air</p>													
<p>Shipments, Accessorial/Protective Service For Motor Shipments, Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.</p>													
<p>See Section 6 for list of data values.</p>													

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION		
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
33	10	H3 SEGMENT - Actual Surveillance Service and Requesting Party SEGMENT CONDITION: Use this segment when ordering surveillance services.	C		1	200	O	20						
														Only one of H301 or H302 may be present.
33-02	10	Actual Surveillance Service and Requesting Party Use this data element for requesting Surveillance Services only. See H301 for the applicable code values to enter in this data element. Do not use this data element to order accessorial services. Rather, use the H301 data element in a separate occurrence of the H3 segment for non-surveillance services. Provide the military service code to indicate the requesting party. Military service codes are: A = Army, N = Navy, F = Air Force, M = Marine Corps, P = Coast guard, and S = Defense Logistics Agency. Use a comma for the sub element delimiter between the actual service code and the requesting party.	M	AN	5/5	1	200	O	20					H302 153 C AN 2/30
34	10	E1 SEGMENT - Receiving Party For Empty Railcar LOOP CONDITION: Use when shipment employs an empty railcar.	C		1	220	O	1	2	1	E1			If either E102 or E103 is present, then the other is required.
34-01	10	Name of Receiving Party For Empty Railcar From the bill of lading continuation page.	M	AN	2/30	1	220	O	1	2	1	E1	E101	459 MAN 2/30
35	10	E4 SEGMENT - City for Receiving Empty Railcar SEGMENT CONDITION: Use when shipment employs an empty railcar.	C		1	230	O	1	2	1	E1			
35-01	10	City for Receiving Empty Railcar From the bill of lading continuation page.	M	AN	2/19	1	230	O	1	2	1	E1	E401	19 MAN 2/30
35-02	10	State for Receiving Empty Railcar From the bill of lading continuation page. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	M	ID	2/2	1	230	O	1	2	1	E1	E402	156 M ID 2/2
36	10	E5 SEGMENT - Routing SCAC SEGMENT CONDITION: Use if SCAC is applicable.	C		1	240	O	13	2	1	E1			

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36-01	10	Routing SCAC for Empty Railcar From the bill of lading continuation page. SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	M	ID	2/4	1	240	O	13	2	1	E1	E501	140	M	ID	2/4
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DoD INFORMATION				X12 SEGMENT INFORMATION								X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
36-02	10	Routing SCAC Sequence Number From the bill of lading continuation page. 1 - 1st Carrier after Origin Carrier 2 - 2nd Carrier after Origin Carrier 3 - 3rd Carrier after Origin Carrier 4 - 4th Carrier after Origin Carrier 5 - 5th Carrier after Origin Carrier	M ID 1/1	1	240	O	13	2	1	E1	E502	133	M	ID	1/2	
37	10	L7 SEGMENT - Tariff Distance SEGMENT CONDITION: Required for all modes except ocean. When used, there are different rules for CONUS and OCONUS mileages. This segment may be repeated up to two times (one for CONUS, the other for OCONUS).	C	1	270	O	30									
37-13	10	Tariff Distance (mileage) Mileage used for rating shipment.	M N0 1/5	1	270	O	30				L713	294	O	N0	1/5	
37-14	10	Distance (mileage) Qualifier M - Miles (Actual) <i>Use 'M' to denote CONUS mileage (used for ocean shipments only).</i> T - Tariff Miles <i>Use 'T' to denote OCONUS mileage.</i>	M ID 1/1	1	270	O	30				L714	295	O	ID	1/1	
38	10	NTE SEGMENT - Change Notice	C	1	280	O	50									

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SEGMENT CONDITION: Use when Change Notice applies.						The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.								
38-01	10	Change Notice Qualifier CHG - Change	M	ID	3/3	1	280	O	50	NTE01	363	O	ID	3/3
38-02	10	Change Notice Identifies the kind of change (correction) to the bill of lading. SOURCE: Reference Section 5.0 (DTEB Freight Bill of Lading Shipment Information Implementation Convention) for a description of the indicator code positions and an example of a populated indicator string.	M	AN	8/8	1	280	O	50	NTE02	352	M	AN	1/80
39	10	NTE SEGMENT - Routing Instruction Note SEGMENT CONDITION: Use when routing instruction note applies.	C			1	280	O	50					
						The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.								

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
39-01	10	Routing Instruction Note (RIN) Code Qualifier INT - General Order Instructions	M ID 3/3	1	280	O	50				NTE01	363	O ID	3/3	
39-02	10	Routing Instruction Note (RIN) Code SOURCE: USTRANSCOM J5-PT	M AN 3/3	1	280	O	50				NTE02	352	M AN	1/80	
40	10	NTE SEGMENT - Load Use SEGMENT CONDITION: Use for Defense Transportation Tracking System (DTTS) shipments.	C	1	280	O	50								
40-01	10	Load Use Qualifier LOI - Loading Instructions	M ID 3/3	1	280	O	50				NTE01	363	O ID	3/3	
40-02	10	Load Use Instructions EXCLUSIVE NONEXCLUSIVE	M AN 9/12	1	280	O	50				NTE02	352	M AN	1/80	
41	10	NTE SEGMENT - DoD Classification Instructions SEGMENT CONDITION: Use for Defense Transportation Tracking System (DTTS) shipments.	C	1	280	O	50								
41-01	10	DoD Classification Instructions Qualifier Use to denote the highest security classification of an item within the shipment (i.e. the highest classified Controlled Inventory Item Code (CIIC) within the shipment). CLR - Security Clearance Instructions Use 'CLR' to denote Emergency Contact – Military Surface Deployment and Distribution Command (SDDC).	M ID 3/3	1	280	O	50				NTE01	363	O ID	3/3	

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41-02	10	DoD Classification Instructions C - Confidential S - Secret U - Unclassified	M	AN	1/1	1	280	O	50	NTE02	352	M	AN	1/80
42	10	NTE SEGMENT - Shipper Instructions C SEGMENT CONDITION: Use when additional shipper instructions apply for ocean shipments.				1	280	O	50					
										The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.				
42-01	10	Shipper Instructions Code ADD - Additional Information Use 'ADD' to denote Shipper Instructions to the Consignee or to the Carrier.	M	ID	3/3	1	280	O	50	NTE01	363	O	ID	3/3

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

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43-04 60 Weight Capacity Primary Equipment Furnished Qualifier ELEMENT CONDITION: Required if N705 is used. N - Actual Net Weight	C ID 1/1 1 330 O 1 600 1 N7 N704 187 C ID 1/2
43-08 60 Cube Capacity Primary Equipment Furnished ELEMENT CONDITION: Include if the carrier provides equipment different than that which was ordered, or if reporting the internal cube of a container.	C R 1/8 1 330 O 1 600 1 N7 N708 183 C R 1/8

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
43-09	60	Cube Capacity Primary Equipment Furnished Qualifier ELEMENT CONDITION: This qualifier must appear if cube capacity carrier equipment furnished is used. E - Cubic Feet	C	ID	1/1	1	330	O	1	600	1	N7	N709	184	C	ID 1/1
43-13	60	Temperature Control Use to specify temperature setting for reefer shipments. For ocean shipments Indicate minimum and maximum temperature.	C	AN	3/6	1	330	O	1	600	1	N7	N713	319	O	AN 3/6
43-15	60	Length Capacity Primary Equipment Furnished ELEMENT CONDITION: Include if the carrier provides equipment different than that which was ordered.	C	N0	4/5	1	330	O	1	600	1	N7	N715	567	O	N0 4/5
43-22	60	Type of Equipment Furnished Left justify the code and fill to the right with the lower case 'x' until a length of four characters is attained. SOURCE: Reference Section 6.0 of this IC for code values using applicable Air, Containers, Motor and TOFC (Dimensions are Outside Dimensions), Other Methods, Rail, and Water tables. See Section 6 for list of data values.	M	ID	4/4	1	330	O	1	600	1	N7	N722	24	O	ID 4/4
44	60	EM SEGMENT - Date Primary Equipment Furnished SEGMENT CONDITION: Use if equipment was furnished (for the current N7 loop).	C			1	331	O	1	600	1	N7				If EM02 is present, then EM01 is required. If EM04 is present, then EM03 is required.
44-07	60	Date Enter date that equipment was furnished for the current N7 loop.	M	DT	8/8	1	331	O	1	600	1	N7	EM07	373	O	DT 8/8 EM07 is the last inspection date for convention of safe container.
45	60	NA SEGMENT - Secondary Equipment Furnished SEGMENT CONDITION: Required if use of secondary equipment applies.	C			1	335	O	30	600	1	N7				If NA01 is present, then NA02 is required.
45-03	60	Secondary Equipment Initials	M	AN	1/4	1	335	O	30	600	1	N7	NA03	206	M	AN 1/4

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For rail Trailer on Flatcar/Container on Flatcar (TOFC/COFC) shipments, this data element carries the equipment initials of the flatcar used to convey the trailer/container (primary equipment ordered). When the shipper orders a trailer/container, the carrier supplies a flatcar to convey the trailer/container (primary equipment). The trailer is considered secondary equipment. The shipper incurs no cost for the use of secondary equipment.

SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association

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NA03 contains the equipment initial of an associated shipment and is required by rail.

If unknown, use NONZ for van or NONU for container.

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
45-04	60	Secondary Equipment Numbers For rail Trailer on Flatcar/Container on Flatcar (TOFC/COFC) shipments, this data element carries the equipment serial number of the flatcar used to convey the trailer/container (primary equipment ordered). When the shipper orders a trailer/container, the carrier supplies a flatcar to convey the trailer/container (primary equipment). The trailer is considered secondary equipment. The shipper incurs no cost for the use of secondary equipment. If a number is not available, send value 'xxxx' per shipper's instructions.	M	AN	1/10	1	335 O	30	600	1	N7	NA04	207	M AN	1/10
45-05	60	Cross Reference Type Code ELEMENT CONDITION: Use to further identify secondary equipment when shipment is by rail. F - Conveying Flat Car	C	ID	1/1	1	335 O	30	600	1	N7	NA05	231	O ID	1/1
46	60	M7 SEGMENT - Seals SEGMENT CONDITION: Required if seals are applied to the primary equipment.	C			1	340 O	5	600	1	N7				
46-01	60	Seal Number Additional seal numbers should be carried in M702, M703, and M704.	M	AN	2/15	1	340 O	5	600	1	N7	M701	225	M AN	2/15
46-02	60	Additional Seal Number	C	AN	2/15	1	340 O	5	600	1	N7	M702	225	O AN	2/15
46-03	60	Additional Seal Number	C	AN	2/15	1	340 O	5	600	1	N7	M703	225	O AN	2/15
46-04	60	Additional Seal Number	C	AN	2/15	1	340 O	5	600	1	N7	M704	225	O AN	2/15
46-05	60	Seal Numbers Applied By Qualifier CA - Carrier SH - Shipper	M	ID	2/2	1	340 O	5	600	1	N7	M705	98	O ID	2/3
47	60	N5 SEGMENT - Primary Equipment Ordered SEGMENT CONDITION: Required if primary equipment was ordered.	C			1	350 O	1	600	1	N7				

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47-01	60	Length Capacity Primary Equipment Ordered Format is FFFII where 8000 is 80 ft.	C	N0	4/5	1	350 O	1	600 1	N7	N501	567 O N0	4/5
47-02	60	Weight Capacity Primary Equipment Ordered	C	N0	2/3	1	350 O	1	600 1	N7	N502	233 O N0	2/3
47-03	60	Cubic Capacity Primary Equipment Ordered	C	N0	2/4	1	350 O	1	600 1	N7	N503	203 O N0	2/4

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
47-04	60	Type of Equipment Ordered SOURCE: Reference Section 6.0 of this IC for code values using applicable Air, Containers, Motor and TOFC (Dimensions are Outside Dimensions), Other Methods, Rail, and Water tables. Codes utilized for this data element are DOD Equipment Type codes, and should not be confused with Car Type codes from the Association of American Railroads (AAR). See Section 6 for list of data values.	M ID 4/4	1	350	O	1	600	1	N7	N504	301	O ID	1/4
48	60	REF SEGMENT - Tractor Number SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.	C	1	360	O	5	600	1	N7			At least one of REF02 or REF03 is required.	
48-01	60	Tractor Number Qualifier EQ - Equipment Number	M ID 2/2	1	360	O	5	600	1	N7	REF01	128	M ID	2/3
48-02	60	Tractor Number The tractor number carried in this data element is the power unit for the trailer described in the N7 segment of the same equipment loop. This data element is required only for tracking shipments monitored by DTTS.	M AN 1/10	1	360	O	5	600	1	N7	REF02	127	C AN	1/30
49	70	N1 SEGMENT - Transportation Company Tendered To (CA) LOOP CONDITION: DG 70 is required if the Defense Transportation Tracking System (DTTS) is required.	C	1	390	O	1	12	1	N1			At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.	
49-01	70	Transportation Company Tendered To (CA) Qualifier CA - Carrier	M ID 2/2	1	390	O	1	12	1	N1	N101	98	M ID	2/3
49-02	70	Transportation Company Tendered To Name (CA)	M AN 1/35	1	390	O	1	12	1	N1	N102	93	C AN	1/60
50	70	PER SEGMENT - Transportation Company Dispatcher Contact	C	1	440	O	3	12	1	N1				

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SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.

If either PER03 or PER04 is present, then the other is required.
If either PER05 or PER06 is present, then the other is required.
If either PER07 or PER08 is present, then the other is required.

50-01	70	Transportation Company Dispatcher Contact Qualifier EM - Emergency Contact	M	ID	2/2	1	440	O	3	12	1	N1	PER01	366	M	ID	2/2
50-03	70	Transportation Company Dispatcher Telephone Number Qualifier TE - Telephone	M	ID	2/2	1	440	O	3	12	1	N1	PER03	365	C	ID	2/2
50-04	70	Transportation Company Dispatcher Telephone Number	M	AN	7/21	1	440	O	3	12	1	N1	PER04	364	C	AN	1/80

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51	71	N1 SEGMENT - Destination (ST)	M	1	390	O	1	12	1	N1					
				At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.											
51-01	71	Destination Name (ST) Qualifier This qualifier identifies name and address information of the carrier's delivery location. ST - Ship To	M ID 2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
51-02	71	Destination Name (ST)	C AN 1/35	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
51-03	71	Destination DoDAAC/CAGE/MAPAC Qualifier Do not use CAGE code for ocean shipments. 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE) A2 - Military Assistance Program Address Code (MAPAC)	M ID 2/2	1	390	O	1	12	1	N1	N103	66	C	ID	1/2
51-04	71	Destination DoDAAC/CAGE/MAPAC If DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the destination is required.	M AN 5/6	1	390	O	1	12	1	N1	N104	67	C	AN	2/80
				This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.											
52	71	N2 SEGMENT - Destination (ST)	C	1	400	O	2	12	1	N1					
				SEGMENT CONDITION: Use if additional destination name applies.											
52-01	71	Additional Name (ST)	M AN 1/35	1	400	O	2	12	1	N1	N201	93	M	AN	1/60

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53	71	N3 SEGMENT - Destination (ST) SEGMENT CONDITION: Use if destination street address applies.	C				1	410	O	2	12	1	N1					
53-01	71	Street (ST)	M	AN	1/35		1	410	O	2	12	1	N1	N301	166	M	AN	1/55
53-02	71	Additional Addressing Information	C	AN	1/35		1	410	O	2	12	1	N1	N302	166	O	AN	1/55
54	71	N4 SEGMENT - Destination (ST) SEGMENT CONDITION: Use if destination city, state, and ZIP Code apply.	C				1	420	O	1	12	1	N1					
																		If N406 is present, then N405 is required.
54-01	71	City (ST)	C	AN	2/19		1	420	O	1	12	1	N1	N401	19	O	AN	2/30
		ELEMENT CONDITION: Field is MANDATORY if rail shipment.																A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

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

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55-01 71 Destination (ST) Contact Qualifier EM - Emergency Contact	M ID 2/2	1 440 O 3 12 1 N1 PER01 366 M ID 2/2
55-03 71 Destination (ST) Phone Number Qualifier AU - Defense Switched Network TE - Telephone	M ID 2/2	1 440 O 3 12 1 N1 PER03 365 C ID 2/2

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
55-04	71	Destination (ST) Contact Phone Number Both commercial and DSN phone numbers are required for ammunition shipments.	M AN 7/21	1	440	O	3	12	1	N1	PER04	364	C	AN	1/80
56	72	N1 SEGMENT - Origin (SF)	M	1	390	O	1	12	1	N1					
At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.															
56-01	72	Origin Name (SF) Qualifier This qualifier identifies the name and address information of the carrier's pickup location. SF - Ship From	M ID 2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
56-02	72	Origin Name (SF) ELEMENT CONDITION: If issuing GBLOC is unavailable (N406='LOO!') or origin DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the origin is required.	C AN 1/35	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
56-03	72	Origin DoDAAC/CAGE/MAPAC Qualifier Do not use CAGE code for ocean shipments. 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE) A2 - Military Assistance Program Address Code (MAPAC)	M ID 2/2	1	390	O	1	12	1	N1	N103	66	C	ID	1/2
56-04	72	Origin DoDAAC/CAGE/MAPAC If origin DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the origin is required in N102.	M AN 5/6	1	390	O	1	12	1	N1	N104	67	C	AN	2/80
This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.															

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57	72	N2 SEGMENT - Origin (SF) SEGMENT CONDITION: Use if origin additional name applies.	C					1	400	O	2	12	1	N1					
57-01	72	Additional Name (SF)	M	AN	1/35			1	400	O	2	12	1	N1	N201	93	M	AN	1/60
58	72	N3 SEGMENT - Origin (SF) SEGMENT CONDITION: Use if origin street address applies.	C					1	410	O	2	12	1	N1					
58-01	72	Street (SF)	M	AN	1/35			1	410	O	2	12	1	N1	N301	166	M	AN	1/55
58-02	72	Additional Addressing Information	C	AN	1/35			1	410	O	2	12	1	N1	N302	166	O	AN	1/55

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
59		72 N4 SEGMENT - Origin (SF) SEGMENT CONDITION: Use if origin city, state, and ZIP Code apply.	C		1	420	O	1	12	1	N1				
	59-01	72 City (SF) ELEMENT CONDITION: Field is MANDATORY if rail shipment.	C	AN	2/19	1	420	O	1	12	1	N1	N401	19	O AN 2/30
	59-02	72 State (SF) ELEMENT CONDITION: Field is MANDATORY if rail shipment. Also use for province if shipment is Canadian. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	I	2/2	1	420	O	1	12	1	N1	N402	156	O ID 2/2
	59-03	72 ZIP/Postal Code (SF) Field is MANDATORY if rail shipment. There should be no special characters, punctuation, or blanks. ELEMENT CONDITION: Field is MANDATORY if rail shipment. SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	ID	3/15	1	420	O	1	12	1	N1	N403	116	O ID 3/15
	59-04	72 Country Code (SF) ELEMENT CONDITION: If origin is OCONUS, country code is required. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C	ID	2/3	1	420	O	1	12	1	N1	N404	26	O ID 2/3

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<p>59-05 72 Shipping Point SPLC (SF) Qualifier C ID 2/2 ELEMENT CONDITION: Required if N406 is used. SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) SL - U.S. SPLC</p>	<p>1 420 O 1 12 1 N1 N405 309 C ID 1/2</p>
<p>59-06 72 Shipping Point SPLC (SF) C AN 9/9 Nine-digit SPLCs are required for costing. SPLC is provided for CONUS shipments but not OCONUS.</p>	<p>1 420 O 1 12 1 N1 N406 310 O AN 1/30</p>
<p>60 72 PER SEGMENT - DTTS Origin (SF) C SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required.</p>	<p>1 440 O 3 12 1 N1 If either PER03 or PER04 is present, then the other is required. If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
60-01	72	Origin (SF) Contact Qualifier EM - Emergency Contact	M	ID	2/2	1	440	O	3	12	1	N1	PER01	366	M	ID	2/2
60-03	72	Origin (SF) Phone Number Qualifier AU - Defense Switched Network TE - Telephone	M	ID	2/2	1	440	O	3	12	1	N1	PER03	365	C	ID	2/2
60-04	72	Origin (SF) Contact Phone Number Both commercial and DSN phone numbers are required for ammunition shipments.	M	AN	7/21	1	440	O	3	12	1	N1	PER04	364	C	AN	1/80
61	73	N1 SEGMENT - Consignee (CN)	M			1	390	O	1	12	1	N1					
61-01	73	Consignee (CN) Name Qualifier This qualifier identifies the installation transportation office responsible for the shipment at the final destination. CN - Consignee	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
61-02	73	Consignee Name (CN) ELEMENT CONDITION: If consignee GBLOC is unavailable (N406='!OOI') or consignee DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the consignee is required.	C	AN	1/35	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
61-03	73	Consignee DoDAAC/CAGE/MAPAC Qualifier Do not use CAGE code for ocean shipments. 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE) A2 - Military	M	ID	2/2	1	390	O	1	12	1	N1	N103	66	C	ID	1/2

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Assistance Program Address Code (MAPAC)															
61-04	73	Consignee DoDAAC/CAGE/MAPAC	M AN 5/6	1	390	O	1	12	1	N1	N104	67	C	AN	2/80
<p>If DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the consignee is required in N102.</p>				<p>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.</p>											
62	73	N2 SEGMENT - Consignee (CN)	C	1	400	O	2	12	1	N1					
SEGMENT CONDITION: Use if consignee additional name applies.															
62-01	73	Additional Name (CN)	M AN 1/35	1	400	O	2	12	1	N1	N201	93	M	AN	1/60

DoD INFORMATION						X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
63	73	N3 SEGMENT - Consignee (CN) SEGMENT CONDITION: Use if consignee street address applies.	C			1	410 O	2	12	1	N1				
63-01	73	Street (CN)	M	AN	1/35	1	410 O	2	12	1	N1	N301	166	M AN 1/55	
63-02	73	Additional Addressing Information	C	AN	1/35	1	410 O	2	12	1	N1	N302	166	O AN 1/55	
64	73	N4 SEGMENT - Consignee (CN) SEGMENT CONDITION: Required for all shipments except ocean. Provides required data when shipment is by rail or when consignee is OCONUS. May be used also when consignee city, state, and ZIP Code apply.	C			1	420 O	1	12	1	N1			If N406 is present, then N405 is required.	
64-01	73	City (CN) ELEMENT CONDITION: Field is MANDATORY if rail shipment.	C	AN	2/19	1	420 O	1	12	1	N1	N401	19	O AN 2/30 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.	
64-02	73	State (CN) ELEMENT CONDITION: Field is MANDATORY if rail shipment. Also use for province if shipment is Canadian. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	1	420 O	1	12	1	N1	N402	156	O ID 2/2 N402 is required only if city name (N401) is in the U.S. or Canada.	
64-03	73	ZIP Code/Postal Code (CN) There should be no special characters, punctuation, or blanks. ELEMENT CONDITION: Field is MANDATORY if rail shipment. SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S. Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	ID	3/15	1	420 O	1	12	1	N1	N403	116	O ID 3/15	

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64-04	73	Country Code (CN)	C	ID	2/3	1	420 O	1	12	1	N1	N404	26	O ID	2/3
ELEMENT CONDITION: If consignee is OCONUS, country code is required.															
SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG)															
GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm .															
Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.															

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
64-05	73	Consignee (CN) GBLOC Qualifier ELEMENT CONDITION: Required for all shipments except by ocean. SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) BL - Government Bill of Lading Office Code (GBLOC)	C ID 2/2	1	420	O	1	12	1	N1	N405	309	C	ID	1/2
64-06	73	Consignee (CN) GBLOC ELEMENT CONDITION: If GBLOC is unavailable enter value 'IOO!'. Then, the clear text name of the consignee is required in N102.	C AN 4/4	1	420	O	1	12	1	N1	N406	310	O	AN	1/30
65	74	N1 SEGMENT - Shipper (SH)	M	1	390	O	1	12	1	N1	At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.				
65-01	74	Shipper Name (SH) Qualifier This qualifier identifies the installation transportation office responsible for the shipment at origin. SH - Shipper	M ID 2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
65-02	74	Shipper Name (SH) ELEMENT CONDITION: If shipper DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the shipper is required.	C AN 1/35	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
65-03	74	Shipper DoDAAC/CAGE/MAPAC Qualifier (SH) Do not use CAGE code for ocean shipments. 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE) A2 - Military Assistance Program Address Code (MAPAC)	M ID 2/2	1	390	O	1	12	1	N1	N103	66	C	ID	1/2

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65-04	74	Shipper DoDAAC/CAGE/MAPAC (SH)	M	AN	5/6	1	390	O	1	12	1	N1	N104	67	C	AN	2/80
<p>If shipper DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the shipper is required.</p>						<p>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.</p>											
66	74	N2 SEGMENT - Shipper (SH)	C			1	400	O	2	12	1	N1					
<p>SEGMENT CONDITION: Use if shipper additional name applies.</p>																	
66-01	74	Additional Name (SH)	M	AN	1/35	1	400	O	2	12	1	N1	N201	93	M	AN	1/60
67	74	N3 SEGMENT - Shipper (SH)	C			1	410	O	2	12	1	N1					
<p>SEGMENT CONDITION: Use if shipper street address applies.</p>																	

DoD INFORMATION							X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes				Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
67-01	74	Street (SH)	M	AN	1/35	1	410	O	2	12	1	N1	N301	166	M AN 1/55	
67-02	74	Additional Addressing Information	C	AN	1/35	1	410	O	2	12	1	N1	N302	166	O AN 1/55	
68	74	N4 SEGMENT - Shipper (SH) SEGMENT CONDITION: Use if shipper city, state, and ZIP Code apply.	C			1	420	O	1	12	1	N1			If N406 is present, then N405 is required.	
68-01	74	City (SH) ELEMENT CONDITION: Field is required for rail shipments.	C	AN	2/19	1	420	O	1	12	1	N1	N401	19	O AN 2/30 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.	
68-02	74	State (SH) ELEMENT CONDITION: Field is required for if rail shipments. Also use for province if shipment is Canadian. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	1	420	O	1	12	1	N1	N402	156	O ID 2/2 N402 is required only if city name (N401) is in the U.S. or Canada.	
68-03	74	ZIP Code/Postal Code (SH) There should be no special characters, punctuation, or blanks. ELEMENT CONDITION: Field is required for rail shipments. SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	ID	3/15	1	420	O	1	12	1	N1	N403	116	O ID 3/15	

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68-04	74	Country Code (SH) ELEMENT CONDITION: If shipper is OCONUS, country code is required. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C	ID	2/3	1	420	O	1	12	1	N1	N404	26	O	ID	2/3
69	75	N1 SEGMENT - Diversion/Reconsignment To (TT) LOOP CONDITION: Required if shipment requires diversion/reconsignment destination.	C			1	390	O	1	12	1	N1					
69-01	75	Diversion/Reconsignment (TT) To Qualifier Location that shipment is diverted/reconsigned to. TT - Transfer To	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M	ID	2/3
69-02	75	Diversion/Reconsignment (TT) To City Carry the city name that pertains to the SPLC.	M	AN	2/19	1	390	O	1	12	1	N1	N102	93	C	AN	1/60

DoD INFORMATION					X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
70	75	N4 SEGMENT - Diversion/Reconsignment To Country Code (TT) C SEGMENT CONDITION: If shipment is CONUS, SPLC is required. If OCONUS, country code is required.			1	420	O	1	12	1	N1				
70-04	75	Country Code ELEMENT CONDITION: If diversion/reconsignment is OCONUS, country code is required. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C	ID	2/3	1	420	O	1	12	1	N1	N404	26	O ID 2/3
70-05	75	Diversion/Reconsignment (TT) To SPLC Qualifier Required if N406 is used. SL - U.S. SPLC	C	ID	2/2	1	420	O	1	12	1	N1	N405	309	C ID 1/2
70-06	75	Diversion/Reconsignment (TT) To SPLC	C	AN	9/9	1	420	O	1	12	1	N1	N406	310	O AN 1/30
71	76	N1 SEGMENT - Diversion/Reconsignment From (T4) LOOP CONDITION: DG 76 required if shipment requires diversion/reconsignment destination.				1	390	O	1	12	1	N1			
71-01	76	Diversion/Reconsignment (T4) From Qualifier T4 - Transfer Point	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M ID 2/3
71-02	76	Diversion/Reconsignment (T4) From Location that shipment was diverted/reconsigned from. Carry the city name that pertains to the SPLC.	M	AN	1/19	1	390	O	1	12	1	N1	N102	93	C AN 1/60
72	76	N4 SEGMENT - Diversion/Reconsignment (T4)				1	420	O	1	12	1	N1			

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72-05	76	Diversion/Reconsignment (T4) From SPLC Qualifier			M	ID	2/2	1	420	O	1	12	1	N1	N405	309	C	ID	1/2
SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) SL - U.S. SPLC																			
72-06	76	Diversion/Reconsignment (T4) From SPLC			M	AN	9/9	1	420	O	1	12	1	N1	N406	310	O	AN	1/30
73	77	N1 SEGMENT - Bill Charges To (PO)			M			1	390	O	1	12	1	N1					
At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.																			

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
73-01	77	Bill Charges To (PO) Qualifier PO - Party to Receive Invoice for Goods or Services	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M ID 2/3
73-02	77	Bill Charges To (PO)	C	AN	1/35	1	390	O	1	12	1	N1	N102	93	C AN 1/60
73-03	77	Bill Charges To (PO) DoDAAC/CAGE/MAPAC Qualifier code for ocean shipments. ELEMENT CONDITION: Required if N104 is used. 10 - Department of Defense Activity Address Code (DODAAC) 33 Commercial and Government Entity (CAGE) A2 - Military Assistance Program Address Code (MAPAC)	C	ID	2/2	1	390	O	1	12	1	N1	N103	66	C ID 1/2
73-04	77	Bill Charges To (PO) DoDAAC/CAGE/MAPAC	C	AN	5/6	1	390	O	1	12	1	N1	N104	67	C AN 2/80
74	77	N2 SEGMENT - Bill Charges To (PO) SEGMENT CONDITION: Use if additional name is required for party to whom charges are billed. If available provide additional name to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC.	C			1	400	O	2	12	1	N1			
74-01	77	Additional Name (PO)	M	AN	1/35	1	400	O	2	12	1	N1	N201	93	M AN 1/60
75	77	N3 SEGMENT - Bill Charges To (PO) SEGMENT CONDITION: Use if street address is required for party to whom charges are billed. f available provide street address to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC.	C			1	410	O	2	12	1	N1			

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75-01	77	Street (PO)	M	AN	1/35	1	410	O	2	12	1	N1	N301	166	M	AN	1/55
75-02	77	Additional Addressing Information	C	AN	1/35	1	410	O	2	12	1	N1	N302	166	O	AN	1/55
76	77	N4 SEGMENT - Bill Charges To (PO) SEGMENT CONDITION: Use if city is required for party to whom charges are billed. If available provide city, state, and ZIP to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC.	C			1	420	O	1	12	1	N1					
76-01	77	City (PO)	C	AN	2/19	1	420	O	1	12	1	N1	N401	19	O	AN	2/30

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
76-02	77	State (PO) SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	1	420	O	1	12	1	N1	N402	156	O	ID 2/2
						N402 is required only if city name (N401) is in the U.S. or Canada.										
76-03	77	ZIP Code/Postal Code (PO) SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	ID	3/15	1	420	O	1	12	1	N1	N403	116	O	ID 3/15
77	78	N1 SEGMENT - Issuing Office (IU)	M			1	390	O	1	12	1	N1	At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.			
77-01	78	Issuing Office (IU) Name Qualifier IU - Issuer	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M	ID 2/3
77-02	78	Issuing Office (IU) Name	M	AN	1/35	1	390	O	1	12	1	N1	N102	93	C	AN 1/60
78	78	N2 SEGMENT - Issuing Office (IU) SEGMENT CONDITION: Use if additional name is required for issuing office.	C			1	400	O	2	12	1	N1				
78-01	78	Additional Name (IU)	M	AN	1/35	1	400	O	2	12	1	N1	N201	93	M	AN 1/60
79	78	N3 SEGMENT - Issuing Office (IU) SEGMENT CONDITION: Use if street address is required for issuing office.	C			1	410	O	2	12	1	N1				
79-01	78	Street (IU)	M	AN	1/35	1	410	O	2	12	1	N1	N301	166	M	AN 1/55
79-02	78	Additional Addressing Information	C	AN	1/35	1	410	O	2	12	1	N1	N302	166	O	AN 1/55
80	78	N4 SEGMENT - Issuing Office (IU)	C			1	420	O	1	12	1	N1				

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80-01	78	City (IU)	C	AN	2/19	1	420	O	1	12	1	N1	N401	19	O	AN	2/30
						A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.											
80-02	78	State (IU)	C	ID	2/2	1	420	O	1	12	1	N1	N402	156	O	ID	2/2
SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center						N402 is required only if city name (N401) is in the U.S. or Canada.											

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
80-03	78	ZIP Code/Postal Code (IU) SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	AN	3/15	1	420	O	1	12	1	N1	N403	116	O ID	3/15
80-05	78	Issuing Office (IU) GBLOC Qualifier SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) BL - Government Bill of Lading Office Code (GBLOC)	M	ID	2/2	1	420	O	1	12	1	N1	N405	309	C ID	1/2
80-06	78	Issuing Office (IU) GBLOC This element must contain a valid GBLOC. Do not use 'IOOI'.	M	AN	4/4	1	420	O	1	12	1	N1	N406	310	O AN	1/30
81	78	PER SEGMENT - Name of Issuing Officer (IU) SEGMENT CONDITION: Use if name of issuing officer is required.	C			1	440	O	3	12	1	N1				
81-01	78	Name of Issuing Officer Qualifier IO - Issuing Officer	M	ID	2/2	1	440	O	3	12	1	N1	PER01	366	M ID	2/2
81-02	78	Name of Issuing Officer	M	AN	1/35	1	440	O	3	12	1	N1	PER02	93	O AN	1/60
82	79	N1 SEGMENT - FOB Point (KX) LOOP CONDITION: Use if FOB point applies.	C			1	390	O	1	12	1	N1				
82-01	79	FOB Point (KX) Qualifier KX - Free on Board Point	M	ID	2/2	1	390	O	1	12	1	N1	N101	98	M ID	2/3

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82-02	79	FOB Point (KX) Carry actual FOB point name in this data element.	M	AN	1/35	1	390	O	1	12	1	N1	N102	93	C	AN	1/60
83	79	N4 SEGMENT - FOB Point SEGMENT CONDITION: Use if FOB point applies.	C			1	420	O	1	12	1	N1					
83-01	79	FOB Point (City) Named In Contract	C	AN	2/19	1	420	O	1	12	1	N1	N401	19	O	AN	2/30
83-02	79	FOB Point (State) Named In Contract SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	1	420	O	1	12	1	N1	N402	156	O	ID	2/2

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
83-05	79	FOB SPLC Qualifier ELEMENT CONDITION: Required if N406 is used. SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) SL - U.S. SPLC	C	ID	1/2	1	420	O	1	12	1	N1	N405	309	C	ID 1/2
83-06	79	FOB SPLC	C	AN	9/9	1	420	O	1	12	1	N1	N406	310	O	AN 1/30
84	80	S5 SEGMENT - Stop Data LOOP CONDITION: DG 80 required if the shipment requires inside pickup, inside delivery, stops, and objective service supply deliveries. The S5 loop must occur for each unique action that occurs at an enroute location. If a pickup and delivery action are performed at the same enroute location, the S5 loop must occur once for the pickup, and once for the delivery. The origin address is not included in this loop. The split pickup and split delivery addresses are included in this loop. For example, if a shipment makes a stop location and unloads an item, then moves to an inside address and unloads and loads an item, three actions have affected the shipment at two locations. Consequently, the 858 must contain three S5 loops, one for each action.	C			1	450	O	1	999	1	S5				
84-01	80	Stop Sequence Number If the shipment stops enroute to the final destination, enter the sequence number of the stop location here. This sequence number needs to appear in the 100 Detail - Line Item Header Information Loop with each commodity that is picked up and/or delivered at that stop. [T_9 D-14 72/73]	M	N0	1/2	1	450	O	1	999	1	S5	S501	165	M	N0 1/3
84-02	80	Stop Reason Code LD - Load UL - Unload	M	ID	2/2	1	450	O	1	999	1	S5	S502	163	M	ID 2/2

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84-10	80	<p>Stop SPLC Code</p> <p>Nine-digit SPLCs are required for costing of all shipments except by ocean. SPLC not used OCONUS.</p> <p>SOURCE: Continental Directory of Standard Point Location Codes (SPLC) available from National Motor Freight Traffic Association, Inc.</p>	C	ID	9/9	1	450	O	1	999	1	S5	S510	154	O	ID	6/9
84-11	80	<p>Stop Accomplish Code</p> <p>A - Accomplished</p> <p>P - Pending</p>	C	ID	1/1	1	450	O	1	999	1	S5	S511	190	O	ID	1/1

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
85	80	G62 SEGMENT - Stop Arrival/Departure Times SEGMENT CONDITION: Required if stop/pickup applies.	C	1	460	O	6	999	1	S5				
85-01	80	Stop Date(s) Qualifier 69 - Scheduled Pick-Up Date 70 - Scheduled Delivery Date	M ID 2/2	1	460	O	6	999	1	S5	G6201	432	C ID 2/2	
85-02	80	Stop Date(s) Use to satisfy claims and discrepancies. Scheduled date on which stop will occur.	M DT 8/8	1	460	O	6	999	1	S5	G6202	373	C DT 8/8	
85-03	80	Stop Arrival/Departure Times Qualifier ELEMENT CONDITION: Required if G6204 is used. 8 - Actual Pickup Time 9 - Actual Delivery Time A - Actual Departure Time	C ID 1/1	1	460	O	6	999	1	S5	G6203	176	C ID 1/2	
85-04	80	Stop Arrival/Departure Times Scheduled time at which stop will occur. Use time format HHMM.	C TM 4/4	1	460	O	6	999	1	S5	G6204	337	C TM 4/8	
86	80	N1 SEGMENT - Stop Name of Party to Receive Shipment	M	1	490	O	1	5	2	N1				
86-01	80	Stop Name Of Party To Receive Shipment Qualifier LP - Loading Party UP - Unloading Party	M ID 2/2	1	490	O	1	5	2	N1	N101	98	M ID 2/3	

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86-02	80	Stop Name Of Party To Receive Shipment ELEMENT CONDITION: If stop DoDAAC/CAGE/MAPAC is unavailable (N104='XXXXXX'), then the clear text name of the stop is required.	C	AN	1/35	1	490	O	1	5	2	N1	N102	93	C	AN	1/60
86-03	80	Stop DoDAAC/CAGE/MAPAC Qualifier Do not use CAGE code for ocean shipments. 10 - Department of Defense Activity Address Code (DODAAC) 33 Commercial and Government Entity (CAGE) A2 - Military Assistance Program Address Code (MAPAC)	M	ID	2/2	1	490	O	1	5	2	N1	N103	66	C	ID	1/2

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
86-04	80	Stop DoDAAC/CAGE/MAPAC If stop DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the stop is required. [T_9 D-14 74/79]	M	AN	5/6	1	490	O	1	5	2	N1	N104	67	C AN 2/80
					This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.										
87		80 N2 SEGMENT - Stop Name of Party to Receive Shipment SEGMENT CONDITION: Use if stop name of party to receive shipment applies.	C			1	500	O	2	5	2	N1			
87-01	80	Additional Name	M	AN	1/35	1	500	O	2	5	2	N1	N201	93	M AN 1/60
88		80 N3 SEGMENT - Stops SEGMENT CONDITION: Use if stop street address of party to receive shipment applies.	C			1	510	O	2	5	2	N1			
88-01	80	Street	M	AN	1/35	1	510	O	2	5	2	N1	N301	166	M AN 1/55
88-02	80	Additional Addressing Information	C	AN	1/35	1	510	O	2	5	2	N1	N302	166	O AN 1/55
89		80 N4 SEGMENT - Stops SEGMENT CONDITION: Use if stop city/state of party to receive shipment applies.	C			1	520	O	1	5	2	N1			
					If N406 is present, then N405 is required.										
89-01	80	City	C	AN	2/19	1	520	O	1	5	2	N1	N401	19	O AN 2/30
					A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.										
89-02	80	State	C	ID	2/2	1	520	O	1	5	2	N1	N402	156	O ID 2/2

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<p>Also use for province if shipment is Canadian. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center</p>	<p>N402 is required only if city name (N401) is in the U.S. or Canada.</p>
<p>89-03 80 Stop ZIP Code/Postal Code C ID 3/15 SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents</p>	<p>1 520 O 1 5 2 N1 N403 116 O ID 3/15</p>
<p>89-04 80 Country Code C ID 2/3 ELEMENT CONDITION: If stop is OCONUS, country code is required. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.</p>	<p>1 520 O 1 5 2 N1 N404 26 O ID 2/3</p>

DoD INFORMATION						X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
90	80	PER SEGMENT - Stop Communication Numbers SEGMENT CONDITION: Use if stop communication numbers apply.	C			1	540	O	3	5	2	N1				
90-01	80	Stop Communication Numbers Qualifier IC - Information Contact	M	ID	2/2	1	540	O	3	5	2	N1	PER01	366	M	ID 2/2
90-03	80	Stop Communication Numbers Contact Qualifier IT - International Telephone TE - Telephone	M	ID	2/2	1	540	O	3	5	2	N1	PER03	365	C	ID 2/2
90-04	80	Stop Communication Numbers Contact	M	AN	7/21	1	540	O	3	5	2	N1	PER04	364	C	AN 1/80
91	10	FA1 SEGMENT - Appropriation LOOP CONDITION: Carriers do not need to receive appropriation data. This segment begins the appropriation number loop. It calls for both FA1 and FA2 segments. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners. If there is only one Transportation Accounting Code or Line of Accounting at the header level, then it applies to all shipments in that container. If there is TAC/LOA at the header level, and some of the line items in the container have their own TACs/LOAs and some do not, use the TACs/LOAs at the line item level for those specific shipments and default to the header TAC/LOA for all others. If there is an invalid TAC/LOA on a single line item we will use the header TAC/LOA.	C			1	550	O	1	> 1	1	FA1				
91-01	10	Agency Qualifier Code Code identifying the agency assigning the code values. DF - Department of Defense (DoD) DN - Department of the Navy	M	ID	2/2	1	550	O	1	>1	1	FA1	FA101	559	M	ID 2/2

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DX - United States Marine Corps DY - Department of Air Force DZ - Department of Army HS - Department of Health and Human Services Use 'HS' to denote Department of Homeland Security/US Coast Guard (DHS/USCG).															
92	10	FA2 SEGMENT - Appropriation Breakdown Structure	M			1	560	M	> 1	> 1	1	FA1			
This segment is MANDATORY if and only if the FA1 SEGMENT - Appropriation segment is used. Otherwise, this segment may not be used.															
92-01	10	Breakdown Structure Detail Code	M	ID	2/2	1	560	M	>1	>1	1	FA1	FA201	1196	M ID 2/2
See Section 6 for list of data values.															

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
92-02	10	Financial Information Code When FA201 contains code value '84', FA202 should be formatted as a dollar amount including a decimal character and two positions after the decimal, representing cents even if the value is a whole dollar amount.	M AN 1/80	1	560	M	>1	>1	1	FA1	FA202	1195	M AN 1/80		
93	10	L10 SEGMENT - Appropriation Weight This segment is MANDATORY if and only if the FA1 SEGMENT - Appropriation segment is used. Otherwise, this segment may not be used.	M	1	570	O	1	>1	1	FA1					
93-01	10	Weight Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	M R 1/8	1	570	O	1	>1	1	FA1	L1001	81	M R 1/10		
93-02	10	Weight Qualifier N - Actual Net Weight	M ID 1/1	1	570	O	1	>1	1	FA1	L1002	187	M ID 1/2		
93-03	10	Weight Unit Code E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	M ID 1/1	1	570	O	1	>1	1	FA1	L1003	188	O ID 1/1		

<p>94 100 HL SEGMENT - Line Item Detail M</p>	<p>2 010 M 1 >1 1 HL</p> <p>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.</p> <p>The HL segment defines a top-down/left-right ordered structure.</p>
<p>94-01 100 Detail - Line Item Description Loop M N0 1/12</p> <p>Use the value '1' for the first HL loop and increment by 1 for each successive HL loop, regardless of usage of the HL loop. An HL Line Item Description Loop is generated for each DG 100. A shipment unit is identified by a single Transportation Control Number (TCN). Each commodity description cites the TCN it is grouped under. A shipment unit may cite multiple commodities. DG 100, commodity header information, describes one commodity (NMFC, UFC, DoD unique). The commodity detail information, DG 120, describes the type pack information in the L0 loop.</p> <p>There can be multiple type packs per line item.</p>	<p>2 010 M 1 >1 1 HL HL01 628 M AN 1/12</p> <p>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.</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
94-03		100 Hierarchical Level Code This code identifies the Line Item Description Loop. I - Item	M	ID	1/1	2	010	M	1	>1	1	HL	HL03	735	M ID 1/2
95		100 N7 SEGMENT - Primary Equipment Identifier SEGMENT CONDITION: This segment is required in the line item detail if the shipment moves on multiple pieces of primary equipment. Use this segment to associate the line item with the primary equipment on which it is conveyed. Associate with equipment identified in N7 segment, DataGroup 60.	C			2	020	O	1	> 1	1	HL			
95-01		100 Primary Equipment Initials This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes initials of the furnished primary equipment in/on which the commodity is conveyed. SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association [T_2 9/12]	C	AN	1/4	2	020	O	1	>1	1	HL	N701	206	O AN 1/4
95-02		100 Primary Equipment Numbers This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes numbers on the furnished primary equipment in/on which the commodity is conveyed. [T_4 9/14]	M	AN	1/10	2	020	O	1	>1	1	HL	N702	207	M AN 1/10
96		100 NA SEGMENT - Shipper Equipment	C	Numbers		2	030	O	1	> 1	1	HL			

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<p>SEGMENT CONDITION: This segment required to indicate the mapping for shipper equipment numbers when applicable. Shipper equipment is that equipment/vehicle which is supplied/owned by the shipper. This includes DROMs, containers, and vans. Shipper owned vehicles, like trucks, jeeps, and tanks, are identified using a different mapping of the NA segment in the HL Line Item Description Loop. See the following occurrence of the NA segment for mapping of vehicles information.</p>	<p>If NA01 is present, then NA02 is required.</p>
<p>96-03 100 Shipper Equipment Initials M AN 4/4 DODV - DoD Van and Container DROM - Dromedary Equipment</p>	<p>2 030 O 1 >1 1 HL NA03 206 M AN 1/4 NA03 contains the equipment initial of an associated shipment and is required by rail. If unknown, use NONZ for van or NONU for container.</p>
<p>96-04 100 Shipper Equipment Numbers M AN 1/10 Use for Initials and Serial Number of the Shipper Owned Containers/DROMs.</p>	<p>2 030 O 1 >1 1 HL NA04 207 M AN 1/10 NA04 contains the equipment number of an associated shipment.</p>
<p>97 100 NA SEGMENT - Military Vehicle Identification C SEGMENT CONDITION: This segment required to indicate the mapping for shipper owned vehicles when applicable. This includes cars, jeeps, tanks, and trucks. See the previous occurrence of the NA segment for mapping of shipper equipment information. The model number maps to NTE SEGMENT - Vehicle Model Number.</p>	<p>2 030 O 1 >1 1 HL If NA01 is present, then NA02 is required.</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
97-01	100	Military Vehicle Identification/Serial Number Qualifier ELEMENT CONDITION: Required if NA02 is used. SE - Serial Number VT - Motor Vehicle ID Number	C ID 2/2	2	030	O	1	>1	1	HL	NA01	128	O	ID	2/3
97-02	100	Military Vehicle Identification/Serial Number Use VIN to describe the vehicles being moved.	C AN 1/30	2	030	O	1	>1	1	HL	NA02	127	C	AN	1/30
97-03	100	Military Vehicle Initials (Filler) NONX - Vehicle	M AN 4/4	2	030	O	1	>1	1	HL	NA03	206	M	AN	1/4
97-04	100	Military Vehicle Bumper Number Use 'NONE' if bumper number is unavailable.	M AN 1/10	2	030	O	1	>1	1	HL	NA04	207	M	AN	1/10
98	100	M7 SEGMENT - Seals SEGMENT CONDITION: Required when seals are applied.	C	2	040	O	5	>1	1	HL					
98-01	100	Seals On Shipper Owned Equipment Use to describe seal applied to equipment (Containers, DROMs) owned by the shipper. [T_9 D-13 66/73]	M AN 2/15	2	040	O	5	>1	1	HL	M701	225	M	AN	2/15
99	100	N9 SEGMENT - Requisition Number SEGMENT CONDITION: Required if available.	C	2	100	O	10	>1	1	HL					
99-01	100	Requisition Number Qualifier RQ - Purchase Requisition Number	M ID 2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3

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<p>99-02 100 Requisition Number M AN 14/17 The requisition number which corresponds to the line item is carried in this data element. [T_9 D-13 78/79]</p>	<p>2 100 O 10 >1 1 HL N902 127 C AN 1/30</p>
<p>100 100 N9 SEGMENT - Shipment Unit Contract C Number SEGMENT CONDITION: Use this segment if the contract number used to purchase the shipment unit is available.</p>	<p>2 100 O 10 > 1 1 HL At least one of N902 or N903 is required. If N906 is present, then N905 is required.</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
100-01	100	Authority Number (Contract) Qualifier The contract number qualifier which corresponds to the shipment unit. CT - Contract Number	M ID 2/2	2	100	O	10	>1	1	HL	N901	128	M ID 2/3	
100-02	100	Authority Number (Contract) The contract number which corresponds to the shipment unit.	M AN 1/30	2	100	O	10	>1	1	HL	N902	127	C AN 1/30	
100-04	100	Authority Number (Contract) Date The contract number date which corresponds to the shipment unit.	C DT 8/8	2	100	O	10	>1	1	HL	N904	373	O DT 8/8	
101	100	N9 SEGMENT - Shipment Unit Purchase Order Number SEGMENT CONDITION: Use this segment if the purchase order (PO) number used to purchase the shipment unit is available.	C	2	100	O	10	>1	1	HL				
													At least one of N902 or N903 is required. If N906 is present, then N905 is required.	
101-01	100	Authority Number (PO) Qualifier The purchase order number qualifier which corresponds to the shipment unit. PO - Purchase Order Number	M ID 2/2	2	100	O	10	>1	1	HL	N901	128	M ID 2/3	
101-02	100	Authority Number (PO) The purchase order number which corresponds to the shipment unit.	M AN 1/30	2	100	O	10	>1	1	HL	N902	127	C AN 1/30	
101-04	100	Authority Number (PO) Date The purchase order number date which corresponds to the shipment unit.	C DT 8/8	2	100	O	10	>1	1	HL	N904	373	O DT 8/8	
102	100	N9 SEGMENT - TCN	M	2	100	O	10	>1	1	HL				
													At least one of N902 or N903 is required. If N906 is present, then N905 is required.	
102-01	100	TCN Qualifier 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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<p>102-02 100 TCN - Transportation Control Number M AN 17/17 Every line item (HL Line Item Description Loop) should identify the TCN with which it is associated. [T_9 D-13 78/79]</p>	<p>2 100 O 10 >1 1 HL N902 127 C AN 1/30</p>
<p>102-07 Transportation Tracking Number (TTN) C CE Composite Header COMPOSITE CONDITION: Required for unit move cargo when Transportation Tracking Number is applicable.</p>	<p>2 100 O 10 > 1 1 HL N907 C040 O CE If either C04003 or C04004 is present, then the other is required. If either C04005 or C04006 is present, then the other is required.</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
102-07-01		Transportation Tracking Number (TTN) Qualifier 18 - Plan Number <i>Use '18' to denote Transportation Tracking Number (TTN).</i>	M	ID	2/2	2	100	O	10	>1	1	HL	C04001 128	M ID	2/3
102-07-02		Transportation Tracking Number (TTN).	M	AN	17/17	2	100	O	10	>1	1	HL	C04002 127	MAN	1/30
103 Part		100 N9 SEGMENT - National Stock No./Manufacturer's C No. SEGMENT CONDITION: Required if available.				2	100	O	10	> 1	1	HL			
103-01		100 National Stock No./Manufacturer's Part No. Qualifier This qualifier must appear if NSN is used. Use Manufacturer's Part Number if NSN is not available. HS - Harmonized Code System (Canada) JY - Origin of Shipment Harmonized-Based Code LY - Destination of Shipment Harmonized-Based Code MF - Manufacturers Part Number NS - National Stock Number	M	ID	2/2	2	100	O	10	>1	1	HL	N901 128	M ID	2/3
103-02		100 National Stock No./Manufacturer's Part No. [T_9 D-13 78/79]	M	AN	1/30	2	100	O	10	>1	1	HL	N902 127	C AN	1/30
104		100 N9 SEGMENT - Project Code SEGMENT CONDITION: Required if project code is used.				2	100	O	10	> 1	1	HL			

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104-01	100 Project Code Qualifier P4 - Project Code	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
104-02	100 Project Code [T_9 D-13 78/79]	M	AN	1/3	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
105	100 N9 SEGMENT - Stop Sequence Number Cross-Reference C				2	100	O	10	>1	1	HL					
105-01	100 Stop Sequence Number Cross-Reference Qualifier QN - Stop Sequence Number	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
105-02		100 Stop Sequence Number Cross-Reference If stops apply to a shipment, a line item is identified with a stop by carrying the sequence number of the stop address in this data element. That sequence number appears in the S5 segment in the header area of the transaction set. [T_9 D-13 78/79]	M	NO	1/2	2	100	O	10	>1	1	HL	N902	127	C AN	1/30
106		100 N9 SEGMENT - External Tracking Number (XTN) SEGMENT CONDITION: Use for USML shipments. U.S. Customs' Automated Export System uses this number.	C			2	100	O	10	>1	1	HL				
						At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
106-01		100 Reference Identification Qualifier ED - Export Declaration	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M ID	2/3
106-02		100 Reference Identification Use shipper DoDAAC plus TCN.	M	AN	23/23	2	100	O	10	>1	1	HL	N902	127	C AN	1/30
107		100 N9 SEGMENT - LIN Index Number SEGMENT CONDITION: Use for Army Unit moves.	C			2	100	O	10	>1	1	HL				
						At least one of N902 or N903 is required. If N906 is present, then N905 is required.										
107-01		100 LIN Index Number Qualifier BCI - Basic Contract Line Item Number	M	ID	3/3	2	100	O	10	>1	1	HL	N901	128	M ID	2/3
107-02		100 LIN Index Number [T_9 D-13 78/79]	M	AN	2/2	2	100	O	10	>1	1	HL	N902	127	C AN	1/30
108		100 N9 SEGMENT - Line Item Number SEGMENT CONDITION: Use for Army Unit moves.	C			2	100	O	10	>1	1	HL				
						At least one of N902 or N903 is required. If N906 is present, then N905 is required.										

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108-01	100 Line Item Number Qualifier LI - Line Item Identifier (Seller's)	M	ID	2/2	2	100 O	10	>1	1	HL	N901	128	M ID	2/3
108-02	100 Line Item Number [T_9 D-13 78/79]	M	AN	1/6	2	100 O	10	>1	1	HL	N902	127	C AN	1/30
109	100 N9 SEGMENT - Controlled Inventory Item Code (CIIC) C SEGMENT CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required and if DoD-controlled item has a CIIC assigned.				2	100 O	10	> 1	1	HL				At least one of N902 or N903 is required. If N906 is present, then N905 is required.

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
109-01		100 Controlled Inventory Item Code (CIIC) Qualifier M6 - Military Ordnance Security Risk Number Use 'M6' to denote Controlled Inventory Item Code (CIIC).	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M ID 2/3
109-02		100 Controlled Inventory Item Code (CIIC) SOURCE: DoD 4100.39-M (FLIS Manual) Volume 10, Table 61 [T_9 D-13 78/79]	M	AN	1/1	2	100	O	10	>1	1	HL	N902	127	C AN 1/30
110		100 N9 SEGMENT - DoD Identification Code C (DoDIC) SEGMENT CONDITION: Required for DTTS if the hazardous shipment contains ammunition.				2	100	O	10	> 1	1	HL			At least one of N902 or N903 is required. If N906 is present, then N905 is required.
110-01		100 DoDIC Qualifier 11 - Department of Defense Identification Code (DoDIC)	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M ID 2/3
110-02		100 DoDIC Required for all ammunition and explosives. Also called Navy Ammunition Logistics Code (NALC). [T_9 D-15 67/70]	M	AN	4/4	2	100	O	10	>1	1	HL	N902	127	C AN 1/30
111		100 L5 SEGMENT - Classification M				2	130	O	10	> 1	1	HL			If either L503 or L504 is present, then the other is required. If L507 is present, then L506 is required. If either L508 or L509 is present, then the other is required.
111-02		100 Description Of Articles Clear text description of the line item. [T_8 11/14]	C	AN	1/50	2	130	O	10	>1	1	HL	L502	79	O AN 1/50 L502 may be used to send quantity information as part of the product description.

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111-03	100 Classification Item No. (Commodity Code)	M	AN	1/8	2	130	O	10	>1	1	HL	L503	22	C	AN	1/30
<p>When the sub-item number is available, provide it in the last two positions of this element.</p> <p>DIC reference is applicable only when qualified with the value 'I' in the L504.</p> <p>[T_0 15/19]</p>																

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
111-04	100	Classification Item No. (Commodity Code) Qualifier A - Harmonized Tariff Schedule of the United States Annotated D - Department of Defense Unique Codes I - Milstamp AITC or Water Commodity Code J - Harmonized System-Based Schedule B N - National Motor Freight Classification (NMFC) T - Standard Transportation Commodity Code (STCC) U - Uniform Freight Classification (UFC)	M ID 1/1	2	130	O	10	>1	1	HL	L504	23	C	ID	1/1
111-06	100	Number On Packages Use to show descriptive marks and numbers on freight.	C AN 1/45	2	130	O	10	>1	1	HL	L506	87	C	AN	1/48
112	100	L5 SEGMENT - Privately Owned Vehicle SEGMENT CONDITION: Required for OCEAN CARGO SHIPPING INSTRUCTIONS. Not used otherwise.	C	2	130	O	10	>1	1	HL					
112-02	100	POV Make ELEMENT CONDITION: If this segment appears, at least one of L502 and L506 must be used in this segment. [T_8 11/14]	C AN 1/10	2	130	O	10	>1	1	HL	L502	79	O	AN	1/50
112-06	100	Vehicle Color ELEMENT CONDITION: If this segment appears, at least one of L502 and L506 must be used in this segment.	C AN 1/8	2	130	O	10	>1	1	HL	L506	87	C	AN	1/48

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<p>113 190 LH6 SEGMENT - Certification Code (49 CFR Compliance) SEGMENT CONDITION: Required for HAZMAT shipments.</p>	<p>2 134 O 5 >1 1 HL If either LH602 or LH603 is present, then the other is required.</p>
<p>113-01 190 HAZMAT - Certifying Person (49CFR Compliance) Clear text. MANDATORY for all hazardous material shipments. SOURCE: 49 CFR 172.204</p>	<p>2 134 O 5 >1 1 HL LH601 93 O AN 1/60</p>
<p>113-02 190 HAZMAT - Certification Code (49 CFR Compliance) 1 - Abbreviated Hazardous Certification 2 - Long Form of Hazardous Certification</p>	<p>2 134 O 5 >1 1 HL LH602 272 C ID 1/1</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
113-03	190	HAZMAT - Certification Declaration (49 CFR Compliance) Certification verbiage in accordance with 49 CFR 172.204. MANDATORY for all hazardous materials shipments. Verbiage that certifies the entire shipment should appear once in the first occurrence of the HL Line Item Description Loop. SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	M	AN	1/25	2	134	O	5	>1	1	HL	LH603	273	C	AN	1/25
113-04	190	HAZMAT - Certification Declaration (49 CFR Compliance) ELEMENT CONDITION: Use for any remainder of certification verbiage exceeding 25 characters in LH603. SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	C	AN	1/25	2	134	O	5	>1	1	HL	LH604	273	O	AN	1/25
114	190	NTE SEGMENT - 3PL Offer Record Number SEGMENT CONDITION: Use for 3PL coordinated shipments (DTCI or DFTS) only. Required for 3PL coordinated shipments. Matches the shipper's offer record numbers that appear in corresponding 219 Transportation Service Request and a 220 Transportation Service Response.	C			2	140	O	100	> 1	1	HL					
114-01	190	3PL Offer Record Number Qualifier UPI - Updated Information <i>Use 'UPI' to denote 3PL Offer Record Number Qualifier.</i>	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
114-02	190	3PL Offer Record Number	M	AN	1/30	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
115	190	NTE SEGMENT - Vehicle Model Number SEGMENT CONDITION: Use to identify the model number for military vehicles as applicable. Required for ocean shipments.	C			2	140	O	100	> 1	1	HL					

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					be avoided, if at all possible, in an automated environment.												
115-01	1001	Vehicle Model Number Qualifier EED - Equipment Description	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3
115-02	1001	Vehicle Model Number [T_9 D12 54/79]	M	AN	1/10	2	140	O	100	>1	1	HL	NTE02	352	M	AN	1/80
116	190	NTE SEGMENT - Unit Line Number SEGMENT CONDITION: Use to identify unit line number as applicable.	C			2	140	O	100	> 1	1	HL					
					The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.												
116-01	2001	Unit Line Number Qualifier OTN - Another Type of Number Description	M	ID	3/3	2	140	O	100	>1	1	HL	NTE01	363	O	ID	3/3

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
116-02	2001	Unit Line Number [T_9 D-12 54/79]	M	AN	1/7	2	140	O	100	>1	1	HL	NTE02	352	M AN 1/80
117	190	NTE SEGMENT - Transportation Tracking Account Number (TTAN) SEGMENT CONDITION: Required for unit move cargo when Transportation Tracking Account Number is applicable.	C		2	140	O	100	>1	1	HL	The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.			
117-01	190	Transportation Tracking Account Number (TTAN) Qualifier M TCF - Tariff Commodity Footnotes <i>Use 'TCF' to denote Transportation Tracking Account Number (TTAN).</i>	ID 3/3		2	140	O	100	>1	1	HL	NTE01	363	O ID 3/3	
117-02	190	Transportation Tracking Account Number (TTAN)	M	AN	13/13	2	140	O	100	>1	1	HL	NTE02	352	M AN 1/80
118	190	NTE SEGMENT - Other Information SEGMENT CONDITION: For non-ocean shipments, use to indicate line item level special instructions. Ocean shipments use for additional comments information or rating information as needed. Repeat once for each qualifier.	C		2	140	O	100	>1	1	HL	The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.			
118-01	190	Other Information Qualifier Code Shipments by other than ocean use code value 'OTH'. Ocean shipments use code values 'CIG', 'LIQ', 'ADD', and 'OCR'. ADD - Additional Information CIG - Cigarette Information	M ID 3/3		2	140	O	100	>1	1	HL	NTE01	363	O ID 3/3	

<p>LIQ - Liquor Information</p> <p>OCR - Outside the Continental U.S. (OCONUS) Rating Information</p> <p>OTH - Other Instructions</p>	
<p>118-02 190 Other Information M AN 1/80</p> <p>Shipments by other than ocean enter clear text information related to the line item such as velocity management instructions. Ocean shipments enter values depending on code value in NTE01 as follows: With code value 'OCR' use tariff for CONUS to Hawaii/Guam Rating Information. With code value 'CIG' or 'LIQ' use cigarette or liquor information. Repeat segment until all cigarette or liquor data has been entered. [T_9 D-12 54/79]</p>	<p>2 140 O 100 >1 1 HL NTE02 352 M AN 1/80</p>

DoD INFORMATION						X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
119	120	L0 SEGMENT - Billed/Rated Quantity CHANGE NOTE: Segment condition updated per DM 1043. Repeat the L0 loop if there is more than one set of oversized dimensions for the same item.	M			2	145	O	1	20	2	L0			
119-02	120	Billed/Rated Quantity A commodity is a single type of product or material. Transportation of a commodity is usually billed/rated by units of freight weight. A line item on a transportation bill describes a single commodity. The quantity of a line item commodity is described here in the L0 segment in the HL Detail - Line Item Description Loop. One L0 segment occurs for each type pack under the line item. There may be many line items, i.e., HL Line Item Description Loop, of the same commodity. Two rules must be followed when constructing an L0 segment: 1) If the billed/rated quantity is expressed as freight weight, it appears here. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. The L004, L005, and L011 elements are not used. 2) If the billed/rated quantity is other than weight, such as barrels or gallons in the case of a pipeline shipment, it also appears here. If entry does not contain a decimal, decimal is assumed at right-most point of the field. In addition, the L004, L005, and L011 elements are used to carry the weight information, if required. For ocean shipments, enter line item weight.	M	R	1/8	2	145	O	1	20	2	L0	L002	220	C R 1/11
119-03	120	Billed/Rated Quantity Qualifier BA - Barrels GL - Gallon LB - Pound	M	ID	2/2	2	145	O	1	20	2	L0	L003	221	C ID 2/2

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119-04 120 Freight Weight C R 1/8 Freight weight of line item described in pounds only. Freight weight is the weight that line haul rate is based on and may include skid, pallet, and dunnage weights, depending on the applicable tender. Skid, pallet, and dunnage weights are carried in separate MEA segments. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. See the next occurrence of the MEA segment for the weight breakdown for packing materials. Decimals are not used for ocean shipments. [T_2 72/76]	2 145 O 1 20 2 L0 L004 81 C R 1/10
119-05 120 Freight Weight Qualifier C ID 1/2 ELEMENT CONDITION: Required if L004 is used. See Section 6 for list of data values.	2 145 O 1 20 2 L0 L005 187 C ID 1/2
119-06 120 Cube M R 1/8 Cube of line item. [T_7 77/80]	2 145 O 1 20 2 L0 L006 183 C R 1/8

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
119-07		120 Cube Qualifier E - Cubic Feet G - Gallons H - Hundreds of Measurement Tons S - Measurement Ton V - Liter X - Cubic Meters	M	ID	1/1	2	145	O	1	20	2	L0	L007	184	C ID	1/1
119-08		120 Type Pack Quantity Enter the Type Pack Quantity. For ocean shipments, enter number of pieces. [T_0 68/71]	M	NO	1/7	2	145	O	1	20	2	L0	L008	80	C NO	1/7
																L008 is the number of handling units of the line item tendered to the carrier.
119-09		120 Type Pack Qualifier Code for packaging form of the lading quantity. SOURCE: Reference Section 6.0 of this IC for code values using the table that contains the applicable type pack qualifier. Common code values associated with multiple definitions prevents documentation of the entire sub-set. [T_0 28/29]	M	ID	3/3	2	145	O	1	20	2	L0	L009	211	C ID	3/3
119-10		120 Type Pack Sub Qualifier Material used to protect lading. ELEMENT CONDITION: Use this value to identify specific MSCVAN and SEAVAN configurations. SOURCE: Reference Section 6.0 of this IC for code values using the table that contains the applicable type pack qualifier. Common code values associated with multiple definitions prevents documentation of the entire sub-set. [T_7 54/67]	C	AN	2/2	2	145	O	1	20	2	L0	L010	458	O AN	2/25

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
119-11		120 Freight Weight Unit Code ELEMENT CONDITION: Required if L004 is used. E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	C	ID	1/1	2	145	O	1	20	2	L0	L011	188	O ID 1/1
119-13		120 Over-dimensional Pieces, Quantity Used to indicate the number of oversized pieces. If there are multiple over-dimensional items (all the same size), send as one line item and indicate total quantity here. Required for ocean shipments when there is more than one set of oversized dimensions for the same item.	C	R	1/15	2	145	O	1	20	2	L0	L013	380	C R 1/15
119-15		120 Oversized Item Indicator ELEMENT CONDITION: Required if L013 is used. Required for ocean shipments when there is more than one set of oversized dimensions for the same item. N - No Y - Yes	C	ID	1/1	2	145	O	1	20	2	L0	L015	1073	C ID 1/1
120		120 L1 SEGMENT - Declared Value of Bill of Lading Line Item				2	150	O	20	20	2	L0			

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<p>SEGMENT CONDITION: Declared value is required for all shipments that will be processed through a foreign host nation's customs and border clearance program.</p>	<p>If either L102 or L103 is present, then the other is required. At least one of L104, L105, or L106 is required. If either L114 or L115 is present, then the other is required. If either L117 or L118 is present, then the other is required.</p>
<p>120-04 120 Charge M N2 1/8 Code identifying the type of identification number of Depository Financial Institution (DFI) 00 - Use value '00' to meet X12 syntax requirements.</p>	<p>2 150 O 20 20 2 L0 L104 58 C N2 1/12</p>
<p>120-14 120 Declared Value M N2 2/12 Enter the actual value or selling price per TCN (include total bill of lading line item quantity cost).</p>	<p>2 150 O 20 20 2 L0 L114 74 C N2 2/12</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
120-15		120 Rate/Value Qualifier CO - Cost per Unit Use 'CO' to denote Total Cost per TCN.	M	ID	2/2	2	150	O	20	20	2	L0	L115	122	C ID 2/2
121		120 MEA SEGMENT - Packaging Material Weight SEGMENT CONDITION: Use to provide weight breakout per type pack per commodity per shipment unit.	C			2	160	O	10	20	2	L0			
					At least one of MEA03, MEA05, MEA06, or MEA08 is required. If MEA05 is present, then MEA04 is required. If MEA06 is present, then MEA04 is required. If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required. Only one of MEA08 or MEA03 may be present.										
121-01		120 Packaging Material Qualifier Weight breakout per type pack per commodity per shipment unit is carried in the MEA segment. For each type of packing material weight breakout, use an individual MEA segment. DN - Dunnage Dimension PA - Pallet Dimensions SK - Skid Dimensions	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O ID 2/2
121-02		120 Packaging Material Weight Qualifier B - Billed Weight	M	ID	1/1	2	160	O	10	20	2	L0	MEA02	738	O ID 1/3
121-03		120 Packaging Material Weight The weight for any component of the packaging material (e.g. skid, pallet, dunnage weights). Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_9 D-21 13/16]	M	R	1/8	2	160	O	10	20	2	L0	MEA03	739	C R 1/20

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<p>121-04 Unit or Basis for Measurement Code M CE</p> <p>C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter.</p>	<p>2 160 O 10 20 2 L0 MEA04 C001 C CE</p>
<p>121-04-01 Unit or Basis for Measurement Code M ID 2/2</p> <p>By placing code value 'PN' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. PN - Pounds Net</p>	<p>2 160 C 10 20 2 L0 C00101 355 M ID 2/2</p>
<p>122 120 MEA SEGMENT - Shipped C Dimensions</p> <p>SEGMENT CONDITION: Required if the shipment is oversize or if air shipment. (GFM needs dimensions to cost air shipment.) All dimensions are required for all 3PL carrier shipments.</p>	<p>2 160 O 10 20 2 L0</p> <p>At least one of MEA03, MEA05, MEA06, or MEA08 is required. If MEA05 is present, then MEA04 is required. If MEA06 is present, then MEA04 is required. If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required. Only one of MEA08 or MEA03 may be present.</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
122-01		120 Shipped Dimensions Information Qualifier SD - Shipped Dimensions	M ID 2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2
122-02		120 Shipped Dimensions Qualifier GFM will calculate oversize dimensions from shipper provided information. HT - Height LN - Length WD - Width	M ID 2/2	2	160	O	10	20	2	L0	MEA02	738	O	ID	1/3
122-03		120 Shipped Dimensions Units Use for values of oversize dimensions. [T_9 D-21 13/16]	M NO 1/10	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
122-04		Unit or Basis for Measurement Code C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter.	M CE	2	160	O	10	20	2	L0	MEA04	C001	C	CE	
122-04-01		English Measurement Code By placing code value 'FT' or 'IN' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. FT - Foot IN - Inch	M ID 2/2	2	160	C	10	20	2	L0	C00101	355	M	ID	2/2
123		120 MEA SEGMENT - Net Explosive C Weight (English) SEGMENT CONDITION: Required for all shipment modes; include if available. English (and metric) units are required to comply with 49 CFR 171.10. For OCONUS shipments, NEW facilitates compliance with 1MDGC.		2	160	O	10	20	2	L0					
				At least one of MEA03, MEA05, MEA06, or MEA08 is required. If MEA05 is present, then MEA04 is required. If MEA06 is present, then MEA04 is required. If MEA07 is present, then at least one of											

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MEA03, MEA05, or MEA06 is required.
Only one of MEA08 or MEA03 may be present.

123-01	120 Net Explosive Weight Qualifier NX - Net Explosive Weight	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2
123-03	120 Net Explosive Weight If net explosive weight is available for an individual line item, carry that weight in this data element. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_9 D-21 13/16]	M	R	1/8	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
123-04	Composite Unit of Measurement Code	M	CE		2	160	O	10	20	2	L0	MEA04	C001	C	CE	

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
123-04-01		Net Explosive Weight Qualifier (English) Both metric and English units are required to comply with 49 CFR 171.10. By placing these code values (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. Use 'GA' if explosive is wet. Use 'PN' if explosive is dry. GA - Gallon PN - Pounds Net	M ID 2/2	2	160	C	10	20	2	L0	C00101	355	M ID 2/2	
124	120	MEA SEGMENT - Net Explosive Quantity (Metric) SEGMENT CONDITION: Required if available. Metric (and English) units are required to comply with 49 CRF 171.10. For OCONUS shipments, NEW facilitates compliance with 1MDGC.	C	2	160	O	10	20	2	L0				
				At least one of MEA03, MEA05, MEA06, or MEA08 is required. If MEA05 is present, then MEA04 is required. If MEA06 is present, then MEA04 is required. If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required. Only one of MEA08 or MEA03 may be present.<br / >										
124-01	120	Net Explosive Quantity Qualifier WT - Weights <i>Use 'WT' to denote Net Explosive Quantity.</i>	M ID 2/2	2	160	O	10	20	2	L0	MEA01	737	O ID 2/2	
124-03	120	Net Explosive Quantity Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_9 D-21 13/16]	M R 1/8	2	160	O	10	20	2	L0	MEA03	739	C R 1/20	
124-04		Composite Unit of Measurement Code	M CE	2	160	O	10	20	2	L0	MEA04	C001	C CE	

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124-04-01	Net Explosive Quantity Qualifier (Metric)	M	ID	2/2	2	160	C	10	20	2	L0	C00101	355	M	ID	2/2	
By placing these code values (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. Use 'KG' if explosive is dry. Use 'LT' if explosive is wet. KG - Kilogram LT - Liter																	
125	120 MEA SEGMENT - Round Count	C			2	160	O	10	20	2	L0						
SEGMENT CONDITION: Required if shipment contains ammunition.					At least one of MEA03, MEA05, MEA06, or MEA08 is required. If MEA05 is present, then MEA04 is required. If MEA06 is present, then MEA04 is required. If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required. Only one of MEA08 or MEA03 may be present.<br / >												
125-01	120 Round Count Qualifier	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2	
CT - Counts																	

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
125-03		120 Round Count [T_9 D-21 13/16]	M N0 1/8	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20	
125-04		Composite Unit of Measurement Code M CE		2	160	O	10	20	2	L0	MEA04	C001	C	CE		
125-04-01		Round Count Qualifier By placing code value 'RO' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. RO - Round	M ID 2/2	2	160	C	10	20	2	L0	C00101	355	M	ID	2/2	
126		120 L0 SEGMENT - Ammunition Lot Number/Number of Pieces	C	2	145	O	1	20	2	L0						

**DEPARTMENT OF DEFENSE
TRANSPORTATION EDI CONVENTION**

**FREIGHT BILL OF LADING SHIPMENT INFORMATION
858.R.004010**

LOOP CONDITION: Required for ocean shipments if shipment contains ammunition. Report pieces, weight, cube and ammunition lot number. Report also in MEA segment (Round Count).

If either L002 or L003 is present, then the other is required.
If either L004 or L005 is present, then the other is required.
If either L006 or L007 is present, then the other is required.
If either L008 or L009 is present, then the other is required.
If L011 is present, then L004 is required.
If either L013 or L015 is present, then the other is required.

126-04	120 Weight [T_7 72/76]	C R 1/10	2	145	O	1	20	2	L0	L004	81	C R	1/10
126-05	120 Weight Qualifier A1 - Dimensional Weight FR - Freight Weight	C ID 2/2	2	145	O	1	20	2	L0	L005	187	C ID	1/2
126-06	120 Cube ELEMENT CONDITION: Required for ocean shipments. [T_7 68/71]	C R 1/8	2	145	O	1	20	2	L0	L006	183	C R	1/8
126-07	120 Cube Qualifier E - Cubic Feet	C ID 1/1	2	145	O	1	20	2	L0	L007	184	C ID	1/1
126-08	120 Number of Pieces ELEMENT CONDITION: Required for ocean shipments. [T_7 77/80]	C NO 1/7	2	145	O	1	20	2	L0	L008	80	C NO	1/7
126-09	120 Packaging Form Code (for number of 3/3 pieces) PCS - Pieces	C ID	2	145	O	1	20	2	L0	L009	211	C ID	3/3

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
126-10		120 Ammunition Lot Number Use leading zero as necessary to provide a minimum of two characters. [T_7 54/67]	C AN 2/14	2	145	O	1	20	2	L0	L010	458	O AN	2/25
127		120 L0 SEGMENT - Dimensional	C Weight	2	145	O	1	20	2	L0				

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<p>LOOP CONDITION: Use when dimensional weight applies. Dimensional Weight is the chargeable weight computed on the basis of volume rather than actual weight. GFM will calculate the Dimensional Weight based on dimensions passed in the MEA segments. Shipper systems must provide the Dimensional Weight.</p>	<p>If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.</p>
<p>127-04 120 Dimensional Weight M R 1/10 When applicable, dimensional weight shall be calculated using the following formula: Length x Width x Height divided by 194 equals dimensional weight (all measurements in inches). [T_2 72/76]</p>	<p>2 145 O 1 20 2 L0 L004 81 C R 1/10</p>
<p>127-05 120 Dimensional Weight Qualifier M ID 2/2 A1 - Dimensional Weight</p>	<p>2 145 O 1 20 2 L0 L005 187 C ID 1/2</p>
<p>127-11 120 Weight Unit Code M ID 1/1 E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton</p>	<p>2 145 O 1 20 2 L0 L011 188 O ID 1/1</p>
<p>128 190 LH1 SEGMENT - HAZMAT C Quantities LOOP CONDITION: DG 190 required if the shipment contains hazardous material and/or the Defense Transportation Tracking System (DTTS) is required.</p>	<p>2 170 O 1 100 2 LH1</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
128-01	190	HAZMAT - Unit Of Measure Code Contains the code identifying the Unit of Measure (type of packaging) for which the data in LH102 is reported. Use LH106 to express weight and volume. SOURCE: Reference Section 6.0 of this IC for code values using applicable tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: BA, BD, BG, BX, CH	M	ID	2/2	2	170	O	1	100	2	LH1	LH101	355	M ID 2/2
128-02	190	HAZMAT - Lading Quantity Contains the number of units (pieces) of the lading commodity that is Hazardous. SOURCE: 49 CFR 172.202(c) [T_9 D-15 54/79]	M	N0	1/7	2	170	O	1	100	2	LH1	LH102	80	M N0 1/7
128-03	190	HAZMAT - UN/NA ID Code SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications [T_6 74/79]	M	ID	6/6	2	170	O	1	100	2	LH1	LH103	277	O ID 6/6
128-06	190	HAZMAT - English Measurement Code Use the unit of measure codes for quantity or volume of non bulk shipments. This will typically be pounds, cubic feet, or a unit of measure other than pieces. If the weight of the hazardous material is measured in other than the above listed Weight Units of Measure, refer to X12 Standard, DE 355. Use LH101 to express type of packaging. ELEMENT CONDITION: Required if LH107 is used. At least one LH106/LH107 or LFH05/LFH06 are required to pass the HAZMAT unit of measure and quantity. If an English and Metric unit of measure are available, both are required. See Section 6 for list of data values.	C	ID	2/2	2	170	O	1	100	2	LH1	LH106	355	O ID 2/2
128-07	190	HAZMAT - Quantity Quantity refers to the amount (i.e., weight in pounds, volume in cubic feet, or other such measurement) of the hazardous material commodity that is to be transported.	C	R	1/15	2	170	O	1	100	2	LH1	LH107	380	O R 1/15
128-09	190	HAZMAT - Residue Indicator Code	C	ID	1/1	2	170	O	1	100	2	LH1	LH109	665	O ID 1/1

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Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded. Use code value 'R' to indicate that the unit being shipped is empty and contains a residue from a prior movement.
SOURCE: 49 CFR 172.203(e)
R - Residue Last Contained Description (Tank Car)

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.

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
128-10	190	HAZMAT - Packing Group Code Indicate the required packing group using Roman Numeral I, II, or III to indicate the degree of danger. SOURCE: 49 CFR, Table 172.101	C	ID	1/3	2	170	O	1	100	2	LH1	LH110	254	O ID 1/3
129	190	LH2 SEGMENT - HAZMAT Classification SEGMENT CONDITION: Required for loaded and unloaded HAZMAT shipments.	C			2	180	O	4	100	2	LH1			
129-01	190	HAZMAT - Hazardous Class/Division Identify the hazard class or division prescribed for the material as shown in column 3 of 49 CFR Table 172.101. If there is no hazard class or division, use the code in that column, such as ORM-D (Other Regulated Material), reference 49 CFR 173.2. If there is a subsidiary hazard but no hazard class or division, use code value 'NA'. A material for which the entry in this column is 'Forbidden' may not be offered for transportation nor be transported. This segment needs to be repeated for each subsidiary hazard. SOURCE: 49 CFR 172.101;49 CFR 173.2 [T_6 71/72]	M	ID	1/30	2	180	O	4	100	2	LH1	LH201	215	O ID 1/30
129-02	190	HAZMAT - Hazard Class Qualifier Repeat the LH2 segment as necessary to identify the primary and each subsidiary (secondary) hazard of the material being shipped. P - Primary S - Secondary	M	ID	1/1	2	180	O	4	100	2	LH1	LH202	983	O ID 1/1
129-05	190	HAZMAT - Reportable Quantity For empty packagings or units containing the residue of a hazardous material. ELEMENT CONDITION: Required if necessary to indicate a reportable quantity is present in the shipment. SOURCE: 49 CFR 172.203(e) RQ - Reportable Quantity	C	ID	2/2	2	180	O	4	100	2	LH1	LH205	759	O ID 2/2

<p>129-06 190 HAZMAT Flashpoint Temperature Code C ID 2/2</p> <p>ELEMENT CONDITION: Required if LH207 is used. CE - Centigrade, Celsius</p> <p>Use 'CE' to denote Centigrade.</p> <p>FA - Fahrenheit</p>	<p>2 180 O 4 100 2 LH1 LH206 355 C ID 2/2</p> <p>LH206 and LH207 indicate the flashpoint temperature.</p>
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DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
129-07	190	HAZMAT Flashpoint Temperature	C	R	1/4	2	180	O	4	100	2	LH1	LH207	408	C	R	1/4
130	190	LH3 SEGMENT - HAZMAT Names SEGMENT CONDITION: Required for empty/unloaded HAZMAT shipments; this segment should contain the last contents shipping name.	C			2	190	O	12	100	2	LH1					If either LH301 or LH302 is present, then the other is required.
130-01	190	HAZMAT - Proper Shipping Name MANDATORY for all hazardous material shipments including ammunition and explosives. Create additional LH301 segment(s) for remainder of Proper Shipping Name exceeding 25 characters. SOURCE: 49 CFR 172.101; 49 CFR 172.202 [T_9 D-15 54/79]	M	AN	1/25	2	190	O	12	100	2	LH1	LH301	224	C	AN	1/25
130-02	190	HAZMAT - Proper Shipping Name Qualifier C - Canadian Shipping Name D - Domestic (United States) Shipping Name I International Shipping Name	M	ID	1/1	2	190	O	12	100	2	LH1	LH302	984	C	ID	1/1
130-03	190	HAZMAT - N.O.S. Indicator Code If this field is used, an LFH segment must follow using code value 'TEC' in LFH01. NOS - N.O.S. Regulatory Requirements Apply	C	ID	3/3	2	190	O	12	100	2	LH1	LH303	985	O	ID	3/3
131	190	LFH SEGMENT - HAZMAT Remarks SEGMENT CONDITION: Required for HAZMAT shipments requiring specific labeling.	C			2	191	O	20	100	2	LH1					If either LFH05 or LFH06 is present, then the other is required.

DoD INFORMATION				X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
		131-01 190 HAZMAT - Additional Basic Description Information		2	191	O	20	100	2		LH1	LFH01 808 M ID	3/3
Qualifier		M	ID 3/3										
		<p>Contains the hazardous material shipment information qualifier indicating the type of information being passed. MANDATORY for all explosives unless otherwise noted in 49 CFR 172.320. Use interim EX-number for explosives waiting for final classification. If the X12 code definition accompanying a LFH01 code value contains text in quotations, place the part in quotations in LFH02. If the code definition contains no quotations, see the user note in LFH02 for further guidance. Use code value 'ADI' to denote 'Other information not accounted for in the code list'. Use code value 'TEC' in this data element to indicate that the N.O.S. indicator is specified in LH303. Enter additional information that must appear in association with the shipment's basic description according to 49 CFR. Use additional occurrences of LFH segment as necessary for each code that applies to shipment.</p> <p>SOURCE: 49 CFR</p> <p>ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper</p> <p>DWW - "Dangerous When Wet" Declaration</p> <p>HOT - Identifies Products in a Heated Molten State</p> <p>HZC - Hazardous Substance Constituents</p> <p>LQY - "Limited Quantity" Declaration</p> <p>MOS - Maximum Operating Speed</p> <p>MPI - Marine Pollutant</p> <p>PIH - "Poison - Inhalation Hazard" Declaration</p> <p>POI - Poison Declaration</p>											

<p>Use 'POI' to denote "Poison" Declaration.</p> <p>RAM - Radioactive Material Data</p> <p>TEC - Technical or Chemical Group Name</p>	
<p>131-02 190 HAZMAT - Additional Basic Description Information M AN 1/25</p> <p>Contains specific information about the hazardous material shipment. When applicable, use the descriptive narrative from LFH01. If LFH01 = 'ADI', use this element for any overflow information from LFH01 or 49 CFR except Proper Shipping Name. Use LFH03 for additional overflow. If LFH01 = 'PIH', enter 'Poisonous - Inhalation Hazard, Zone X', where X is the code designated in LFH04. If LFH01 = 'HOT', enter 'HOT' [See 49 CFR 172.203(n)]. If LFH01 = 'RAM', enter the appropriate text in quotes as specified by 49 CFR 172.203(d). If LFH01 = 'LQY', enter 'Ltd Qty' or 'Limited Quantity'. If LFH01 = 'HZC', enter 'Hazardous substance constituents.' If LFH01 = 'MOS', enter 'Maximum operating speed.' If LFH01 = 'MPI', enter 'Marine Pollutant.' For N.O.S. code (LFH01 = 'TEC'), enter the technical or chemical group name in parentheses. Place overflow in LFH03. Do not close parentheses until end of description is reached. [T_9 D-15 54/79]</p>	<p>2 191 O 20 100 2 LH1 LFH02 809 M AN 1/25</p>

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131-03	190	HAZMAT - Additional Information Use for description overflow from LFH02. Use LFH01, 02, and 03 as a set and repeat loop as necessary to convey all additional basic description information.	C	AN	1/25	2	191	O	20	100	2	LH1	LFH03	809	O AN 1/25
131-04	190	HAZMAT - Hazard Zone Code Contains the code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone. ELEMENT CONDITION: Use applicable Hazard Zone Code when LFH01 = PIH. A - Hazard Zone A B - Hazard Zone B C - Hazard Zone C D - Hazard Zone D	C	ID	1/1	2	191	O	20	100	2	LH1	LFH04	1023	O ID 1/1
132	190	LFH SEGMENT - Round Count SEGMENT CONDITION: Required for TC-AIMS II moves only.	C			2	191	O	20	100	2	LH1			If either LFH05 or LFH06 is present, then the other is required.
132-01	190	HAZMAT- Information Qualifier Use code value 'ADI' to satisfy X12 syntax requirements. ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper	M	ID	3/3	2	191	O	20	100	2	LH1	LFH01	808	M ID 3/3
132-02	190	HAZMAT- Round Count Identifier Specific information required by law for hazardous material shipments. Enter value 'CT' to indicate segment contains HAZMAT Round Count Information. CT	M	AN	2/2	2	191	O	20	100	2	LH1	LFH02	809	M AN 1/25
132-05	190	HAZMAT- Round Count Qualifier RO - Round	M	ID	2/2	2	191	O	20	100	2	LH1	LFH05	355	C ID 2/2
132-06	190	HAZMAT- Round Count	M	R	1/15	2	191	O	20	100	2	LH1	LFH06	380	C R 1/15
															LFH06 indicates activity of the radioactive material.

133 190	LFH SEGMENT - HAZMAT Metric Weight C	2 191 O 20 100 2 LH1
SEGMENT CONDITION: Required if LH107 is used. Use along with LH106 for HAZMAT explosive materials.		If either LFH05 or LFH06 is present, then the other is required.

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
133-01	190	HAZMAT- Information Qualifier Use code value 'ADI' to satisfy X12 syntax requirements. ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper	M	ID	3/3	2	191	O	20	100	2	LH1 LFH01 808		M ID 3/3
133-02	190	HAZMAT- Shipment Information Specific information required by law for hazardous material shipments. Enter value 'WT' to indicate segment contains HAZMAT Metric Weight Information. WT	M	AN	2/2	2	191	O	20	100	2	LH1 LFH02 809		M AN 1/25
133-05	190	HAZMAT- Metric Measurement Code 2C - Roentgen 2Q - Kilobecquerel 2Y - Milliroentgen 40 - Milliliter per Second 4N - Megabecquerel GM - Grams per Sq. Meter GR - Gram H4 - Hectoliter HG - Hectogram KG - Kilogram KR - Kiloentgen LT - Liter	C	ID	2/2	2	191	O	20	100	2	LH1 LFH05 355		C ID 2/2

MC - Microgram

ME - Milligram

MG - Metric Gross Ton

ML - Milliliter

MP - Metric Ton

R2 - Becquerel

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
		133-06 190 HAZMAT- Metric Quantity Use the unit of measure codes for quantity or volume of non bulk shipments. This will typically be grams, cubic meters, or a unit of measure other than pieces. If the weight of the hazardous material is measured in other than the above listed Weight Units of Measure, refer to X12 Standard, DE 355. Use LH101 to express type of packaging. ELEMENT CONDITION: Required if LFH05 is used. At least one LH106/LH107 or LFH05/LFH06 are required to pass the HAZMAT unit of measure and quantity. If an English and Metric unit of measure are available, both are required.	C	R	1/15	2	191 O	20	100	2		LH1 LFH06	380 C R	1/15	
		190 LFH SEGMENT - Net Explosive Weight (English) SEGMENT CONDITION: Required for TC-AIMS II moves only.	C			2	191 O	20	100	2	LH1				If either LFH05 or LFH06 is present, then the other is required.
		134-01 190 HAZMAT - Information Qualifier Use code value 'ADI' to satisfy X12 syntax requirements. ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper CAO - Cargo Airlift Only D13 - "DOT - 113, Do Not Bump or Cut Off Car While in Motion" Declaration DRC - Damaged Car Number DWW - "Dangerous When Wet" Declaration EMS - Emergency Schedule (EMS) Page Number HOT - Identifies Products in a Heated Molten State HZC - Hazardous Substance Constituents	M	ID	3/3	2	191 O	20	100	2		LH1 LFH01	808 M ID	3/3	

INH - Inhalation
Hazard

LQY - "Limited Quantity" Declaration

MFA - Medical First Aid Guide (MFAG) Page
Number

MOS - Maximum Operating Speed

MPI - Marine Pollutant

PIH - "Poison -
Inhalation Hazard" Declaration

POI - Poison Declaration

RAM - Radioactive Material
Data

TEC - Technical or Chemical Group Name

TNM - Trade Name

WST - Waste
Declaration

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
134-02	190	HAZMAT - Shipment Information Specific information required by law for hazardous material shipments. Enter value 'NX' to indicate segment contains HAZMAT English Weight Information. NX	M AN 2/2	2	191	O	20	100	2	LH1	LFH02	809	M AN	1/25
134-05	190	HAZMAT - English Net Explosive Weight Code GA - Gallon PN - Pounds Net	C ID 2/2	2	191	O	20	100	2	LH1	LFH05	355	C ID	2/2
134-06	190	HAZMAT - English Net Explosive Weight	C R 1/15	2	191	O	20	100	2	LH1	LFH06	380	C R	1/15
135	190	LFH SEGMENT - Net Explosive Weight (Metric) SEGMENT CONDITION: Required for TC-AIMS II moves only.	C	2	191	O	20	100	2	LH1				
135-01	190	HAZMAT - Shipment Information Qualifier Use code value 'ADI' to satisfy X12 syntax requirements. ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper	M ID 3/3	2	191	O	20	100	2	LH1	LFH01	808	M ID	3/3
135-02	190	HAZMAT - Shipment Information Enter value 'NW' to indicate segment contains HAZMAT Metric Net Weight Information. NW	M AN 2/2	2	191	O	20	100	2	LH1	LFH02	809	M AN	1/25
135-05	190	HAZMAT - Metric Net Explosive Weight Code KG - Kilogram LT - Liter	C ID 2/2	2	191	O	20	100	2	LH1	LFH05	355	C ID	2/2
135-06	190	HAZMAT - Metric Net Explosive Weight	C R 1/15	2	191	O	20	100	2	LH1	LFH06	380	C R	1/15

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
136-02		190 HAZMAT - DOT Explosive Approval Number (EX-number) Product codes and national stock numbers must be traceable to the specific EX-number (also referred to as hazard classification approval number) assigned by the Associate Administrator for Hazardous Materials Safety. SOURCE: 49 CFR 172.320 and 173.56(b) [T_6 80/80]	M	AN	1/30	2	210	O	10	100	2	LH1	LHR02	127	M AN 1/30
137		190 LHR SEGMENT - Competent Authority Approval Number C SEGMENT CONDITION: Use if competent authority approval is required.				2	210	O	10	100	2	LH1			
137-01		190 Competent Authority Approval Number Qualifier HA - Competent Authority	M	ID	2/2	2	210	O	10	100	2	LH1	LHR01	128	M ID 2/3
137-02		190 Competent Authority Approval Number Issued by Department of Transportation, approval number is CA-YYNNNNA, where Y = year, N = approval number within that year, and A is an optional alphanumeric designator. Only applicable when DoD requires an exception to the international performance oriented packaging rules. [T_6 80/80]	M	AN	1/30	2	210	O	10	100	2	LH1	LHR02	127	M AN 1/30
138		190 LHR SEGMENT - DOT Exemption Number SEGMENT CONDITION: Required when DOT exemption applies.				2	210	O	10	100	2	LH1			
138-01		190 DOT Exemption (DOT-E) Number Qualifier HE - Hazardous Exemption Number	M	ID	2/2	2	210	O	10	100	2	LH1	LHR01	128	M ID 2/3
138-02		190 DOT Exemption (DOT-E) Number Identifies the DOT Exemption to any of the 49 CFR Regulations for hazardous materials. Normally used only for domestic shipments. Can be used for international shipments but is not guaranteed to be accepted by international customs. SOURCE: 49 CFR 172.2(a) [T_6 80/80]	M	AN	1/30	2	210	O	10	100	2	LH1	LHR02	127	M AN 1/30
139		190 LHR SEGMENT - Int'l Maritime Dangerous Goods Code C SEGMENT CONDITION: Use this segment if the hazardous shipment requires international				2	210	O	10	100	2	LH1			

regulation.																			
139-01	190 HAZMAT - Int'l Maritime Dangerous Goods Code (IMDG)									2	210 O	10	100	2	LH1 LHR01	128	M ID	2/3	
	Qualifier	M							ID	2/2									
	IM - Intergovernmental Maritime Organization (IMO) Number																		

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
		139-02 190 HAZMAT - Int'l Maritime Dangerous Goods Code (IMDG) [T_6 80/80]	M	AN	1/30	2	210	O	10	100	2		LH1	LHR02 127	M AN 1/30
140		190 LHR SEGMENT - DoDIC SEGMENT CONDITION: Required for TC-AIMS II moves only.	C			2	210	O	10	100	2		LH1		
		140-01 190 DoDIC Qualifier Use '1I' for shipments by other than ocean. Use '6P' only for ocean shipments. 1I - Department of Defense Identification Code (DoDIC) 6P - Group Number	M	ID	2/2	2	210	O	10	100	2		LH1	LHR01 128	M ID 2/3
		140-02 190 DoDIC [T_9 D-15 67/70]	M	AN	1/30	2	210	O	10	100	2		LH1	LHR02 127	M AN 1/30
141		190 LHR SEGMENT - National Stock Number (NSN) SEGMENT CONDITION: Required for TC-AIMS II moves only.	C			2	210	O	10	100	2		LH1		
		141-01 190 HAZMAT - NSN Qualifier NS - National Stock Number	M	ID	2/2	2	210	O	10	100	2		LH1	LHR01 128	M ID 2/3
		141-02 190 HAZMAT - NSN [T_6 54/66]	M	AN	1/30	2	210	O	10	100	2		LH1	LHR02 127	M AN 1/30
142		190 FA1 SEGMENT - TCN Appropriation Number Loop LOOP CONDITION: Use for appropriation assignment. Carriers do not need to receive appropriation data. This segment begins the appropriation number loop. It calls for both FA1 and FA2 segments. Shipper systems that are capable of receiving, storing, and sending structured DoD appropriation numbers may use this loop to exchange those numbers with trading partners. If there is only one Transportation Accounting Code or Line of Accounting at the header level, then it applies to all shipments in that container. If there is TAC/LOA at the header level, and some of the line items in the container have their own TACs/LOAs and some do not, use the TACs/LOAs at the line item level for those specific shipments and default to the header TAC/LOA for all others. If there is an invalid TAC/LOA on a single line item we will use the header TAC/LOA. If there is only one Transportation Accounting Code or Line of Accounting at the header level, then it applies to all shipments in that container. If there is TAC/LOA at the header level, and some of the line items in the container have their own TACs/LOAs and	C			2	230	O	1	> 1	2		FA1		

some do not, use the TACs/LOAs at the line item level for those specific shipments and default to the header TAC/LOA for all others. If there is an invalid TAC/LOA on a single line item we will use the header TAC/LOA.

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
142-01	190	Agency Qualifier Code Code identifying the agency assigning the code values. DF - Department of Defense (DoD) DN - Department of the Navy DX - United States Marine Corps DY - Department of Air Force DZ - Department of Army HS Department of Health and Human Services <i>Use 'HS' to denote Department of Homeland Security/US Coast Guard (DHS/USCG).</i>	M	ID	2/2	2	230	O	1	>1	2	FA1 FA101	559	M ID 2/2
143	190	FA2 SEGMENT - TCN Appropriation Elements SEGMENT CONDITION: This segment is MANDATORY if and only if the FA1 SEGMENT - TCN Appropriation Number Loop segment is used. Otherwise, this segment may not be used.	C			2	240	M	>1	>1	2	FA1		
143-01	190	Breakdown Structure Detail Code 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
143-02	190	Financial Information Code When FA201 contains code value '84', FA202 should be formatted as a dollar amount including a decimal character and two positions after the decimal, representing cents even if the value is a whole dollar amount.	M	AN	1/80	2	240	M	>1	>1	2	FA1 FA202	1195	MAN 1/80
144	190	L10 SEGMENT - TCN Weight SEGMENT CONDITION: Use when appropriation weight applies.	C			2	250	O	1	>1	2	FA1		

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144-01 190 Weight Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_0 72/76]	M	R	1/10	2	250 O	1	>1	2	FA1 L1001	81	M R	1/10
144-02 190 Weight Qualifier N - Actual Net Weight	M	ID	1/1	2	250 O	1	>1	2	FA1 L1002	187	M ID	1/2

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
144-03	190	Weight Unit Code E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	M	ID	1/1	2	250	O	1	>1	2	FA1	L1003	188	O	ID	1/1	
145	190	NM1 SEGMENT - Personal Property Owner LOOP CONDITION: Used only for OCEAN CARGO SHIPPING INSTRUCTIONS.	C			2	260	O	1	4	2	NM1						
145-01	190	Personal Property Owner Qualifier OW - Owner of Property or Unit	M	ID	2/2	2	260	O	1	4	2	NM1	NM101	98	M	ID	2/3	
145-02	190	Personal Property Owner Qualifier 1 - Person	M	ID	1/1	2	260	O	1	4	2	NM1	NM102	1065	M	ID	1/1	
145-03	190	Personal Property Owner's Last Name [T_8 54/66]	M	AN	1/15	2	260	O	1	4	2	NM1	NM103	1035	O	AN	1/35	
145-04	190	Personal Property Owner's First Name/Initial [T_8 67/67]	M	AN	1/15	2	260	O	1	4	2	NM1	NM104	1036	O	AN	1/25	
146	73	N1 SEGMENT - Mark For Addressee Information	C	(MA)		2	290	O	1	4	2	N1						

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LOOP CONDITION: Use this address loop when en-route consolidation activity or any other organization or system that handles the bill of lading data needs to know the ultimate destination of the shipment. This is needed particularly for OCONUS shipments where the bill of lading moves the freight to a port to change modes to air freight or ocean container.

At least one of N102 or N103 is required.
If either N103 or N104 is present, then the other is required.

146-01	73	Name Qualifier (MA)	M	ID	2/2	2	290	O	1	4	2	N1	N101	98	M	ID	2/3
		This qualifier identifies name and address information of the 'Mark For' ultimate consignee.															
		MA - Party for whom Item is Ultimately Intended															

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
146-02	73	Name (MA) [TC1 9/14]	C	AN	1/35	2	290	O	1	4	2	N1	N102	93	C AN 1/60
146-03	73	DoDAAC/CAGE/MAPAC Qualifier (MA) Do not use CAGE code for ocean shipments. 10 - Department of Defense Activity Address Code (DODAAC) 33 - Commercial and Government Entity (CAGE) A2 - Military Assistance Program Address Code (MAPAC)	M	ID	2/2	2	290	O	1	4	2	N1	N103	66	C ID 1/2
146-04	73	DoDAAC/CAGE/MAPAC (MA) If DoDAAC/CAGE/MAPAC is unavailable, then N104 = 'XXXXXX' and the complete clear text name and address of the destination is required. [T_2 47/52]	M	AN	5/6	2	290	O	1	4	2	N1	N104	67	C AN 2/80
147	73	N2 SEGMENT - Mark For Addressee C Information (MA) SEGMENT CONDITION: Use when mark for addressee applies.	C			2	300	O	2	4	2	N1			
147-01	73	Additional Name (MA)	M	AN	1/35	2	300	O	2	4	2	N1	N201	93	M AN 1/60
148	73	N3 SEGMENT - Mark For Addressee Information (MA)	C			2	310	O	2	4	2	N1			
148-01	73	Street (MA)	M	AN	1/35	2	310	O	2	4	2	N1	N301	166	M AN 1/55
148-02	73	Additional Addressing Information	C	AN	1/35	2	310	O	2	4	2	N1	N302	166	O AN 1/55
149	73	N4 SEGMENT - Mark For Addressee Information (MA)	C			2	320	O	1	4	2	N1			

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SEGMENT CONDITION: Use when mark for addressee applies.		If N406 is present, then N405 is required.											
149-01 73	City (MA) C AN 2/19	2	320	O	1	4	2	N1	N401	19	O	AN	2/30
		A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.											
149-02 73	State or Province Code (MA) C ID 2/2 SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	2	320	O	1	4	2	N1	N402	156	O	ID	2/2
		N402 is required only if city name (N401) is in the U.S. or Canada.											
149-03 73	ZIP Code/Postal Code (MA) C ID 3/15 SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	2	320	O	1	4	2	N1	N403	116	O	ID	3/15

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
149-04 73		Country Code (MA) ELEMENT CONDITION: If mark for addressee is OCONUS, country code is required. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C ID 2/3	2	320	O	1	4	2	N1	N404	26	O	ID 2/3
150		200 HL SEGMENT - Gross Weight Description Loop LOOP CONDITION: Use when gross weight description applies.	C	2	010	M	1	> 1	1	HL				
				The HL segment is used to identify levels of detail information using a hierarchical structure, such as relating line-item data to shipment data, and packaging data to line-item data. The HL segment defines a top-down/left-right ordered structure.										
150-01 200		Detail - Gross Weight Description Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe weights that apply to the entire shipment.	M NO 1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN 1/12
				HL01 shall contain a unique alphanumeric number for each occurrence of the HL segment in the transaction set. For example, HL01 could be used to indicate the number of occurrences of the HL segment, in which case the value of HL01 would be "1" for the initial HL segment and would be incremented by one in each subsequent HL segment within the transaction.										
150-03 200		Hierarchical Level Code This code identifies the Gross Weight Description Loop. PH - Product Characteristic	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID 1/2
				HL03 indicates the context of the series of segments following the current HL segment up to the next occurrence of an HL segment in the transaction. For example, HL03 is used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.										
151		200 L0 SEGMENT - Shipment Gross Weight	C	2	145	O	1	20	2	L0				

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LOOP CONDITION: This segment is required if and only if HL SEGMENT - Gross Weight Description Loop is used.

If either L002 or L003 is present, then the other is required.
 If either L004 or L005 is present, then the other is required.
 If either L006 or L007 is present, then the other is required.
 If either L008 or L009 is present, then the other is required.
 If L011 is present, then L004 is required.
 If either L013 or L015 is present, then the other is required.

151-04 200 Shipment Gross Weight The total weight for the shipment. This weight includes the shipment net weight plus the tare weight. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_2 72/76]	M R 1/10 2 145 O 1 20 2 L0 L004 81 C R 1/10
151-05 200 Shipment Gross Weight Qualifier G - Gross Weight	M ID 1/1 2 145 O 1 20 2 L0 L005 187 C ID 1/2

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
151-11	200	Shipment Gross Weight Unit Qualifier E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	M ID 1/1	2	145	O	1	20	2	L0	L011	188	O ID	1/1
152 Loop	200	HL SEGMENT - Detail - Tare Weight LOOP CONDITION: Use when tare weight description is required.	C Description	2	010	M	1	> 1	1	HL				
				<p>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.</p> <p>The HL segment defines a top-down/left-right ordered structure.</p>										
152-01	200	Detail - Tare Weight Description Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe tare weights that apply to the entire shipment.	M N0 1/12	2	010	M	1	>1	1	HL	HL01	628	M AN	1/12
				<p>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.</p>										
152-03	200	Hierarchical Level Code	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M ID	1/2

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<p>This code identifies the Tare Weight Description Loop. PH - Product Characteristic</p>	<p>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.</p>
<p>153 200 L0 SEGMENT - Shipment Tare Weight C</p> <p>LOOP CONDITION: Required if and only if HL SEGMENT - Detail - Tare Weight Description Loop is used.</p>	<p>2 145 O 1 20 2 L0</p> <p>If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.</p>
<p>153-04 200 Shipment Tare Weight M R 1/8</p> <p>The actual tare weight of the shipment. Tare weight is the weight of the truck or container. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_2 72/76]</p>	<p>2 145 O 1 20 2 L0 L004 81 C R 1/10</p>
<p>153-05 200 Shipment Tare Weight Qualifier M ID 1/1</p> <p>T - Tare Weight</p>	<p>2 145 O 1 20 2 L0 L005 187 C ID 1/2</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
153-11		200 Shipment Tare Weight Unit Qualifier E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	M ID 1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
154		200 HL SEGMENT - Net Weight Description Loop The HL Net Weight Description Loop must occur for the shipment net weight. The HL Net Weight Description Loop must occur for the shipment net weight.	M	2	010	M	1	> 1	1	HL					
154-01		200 Detail - Net Weight Description Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe net weights that apply to the entire shipment.	M N0 1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
154-03		200 Hierarchical Level Code	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2

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<p>This code identifies the Net Weight Description Loop. PH - Product Characteristic</p>	<p>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.</p>
<p>155 200 L0 SEGMENT - Shipment Net M Weight</p>	<p>2 145 O 1 20 2 L0 If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.</p>
<p>155-04 200 Shipment Net Weight M R 1/8 The net weight of the shipment. Net weight = freight weight + skid weight + pallet weight + dunnage weight. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_2 72/76]</p>	<p>2 145 O 1 20 2 L0 L004 81 C R 1/10</p>
<p>155-05 200 Shipment Net Weight Qualifier M ID 1/1 N - Actual Net Weight</p>	<p>2 145 O 1 20 2 L0 L005 187 C ID 1/2</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
155-11	200	Shipment Net Weight Unit Qualifier E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	M ID 1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
156	200	HL SEGMENT - Net Explosive Weight Description Loop (English) LOOP CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required and the shipment is an explosive danger.	C	2	010	M	1	> 1	1	HL					
156-01	200	Detail - Net Explosive Weight Description (English) Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe English weights that apply to the entire shipment.	M N0 1/12 Loop	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12

	the transaction.
<p>156-03 200 Hierarchical Level Code M ID 1/2</p> <p>This code identifies the Net Explosive Weight Description (English) Loop. PH - Product Characteristic</p>	<p>2 010 M 1 >1 1 HL HL03 735 M ID 1/2</p> <p>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.</p>
<p>157 200 L0 SEGMENT - Shipment Net Explosive Weight (Dry) C</p> <p>LOOP CONDITION: Required if and only if HL SEGMENT - Net Explosive Weight Description Loop (English) Loop is used. Then, it is required to satisfy X12 syntax whether explosive is dry or wet.</p>	<p>2 145 O 1 20 2 L0</p> <p>If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.</p>
<p>157-04 200 Shipment Net Explosive Weight (Dry) C R 1/8</p> <p>Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. If explosive is wet, enter value zero (0) to satisfy X12 syntax. ELEMENT CONDITION: Enter net explosive weight if explosive is dry. [T_2 72/76]</p>	<p>2 145 O 1 20 2 L0 L004 81 C R 1/10</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
157-05		200 Shipment Net Explosive Weight Qualifier This element is required to satisfy X12 syntax whether explosive is dry or wet. CE - Certified Weight of Cargo	M ID 2/2	2	145	O	1	20	2	L0	L005	187	C	ID	1/2
157-11		200 Shipment Net Explosive Weight Qualifier (Dry) ELEMENT CONDITION: Use this element only if explosive is dry. E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	C ID 1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
158		200 MEA SEGMENT - Shipment Net Explosive Weight (Wet) SEGMENT CONDITION: Use this segment only if explosive is wet.	C	2	160	O	10	20	2	L0					

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158-01	200 Shipment Net Explosive Weight Qualifier (Wet) NX - Net Explosive Weight	M	ID	2/2	2	160	O	10	20	2	L0	MEA01	737	O	ID	2/2
158-03	200 Shipment Net Explosive Weight (Wet) Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_9 D-21 13/16]	M	R	1/8	2	160	O	10	20	2	L0	MEA03	739	C	R	1/20
158-04	Composite Unit of Measure (Wet) C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter.	M	CE		2	160	O	10	20	2	L0	MEA04	C001	C	CE	
158-04-01	Shipment Net Explosive Weight Qualifier 2/2 (Wet) By placing code value 'GA' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. GA - Gallon	M	ID		2	160	C	10	20	2	L0	C00101	355	M	ID	2/2

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
159		200 HL SEGMENT - Net Explosive Weight Description Loop (Metric) LOOP CONDITION: Required if the Defense Transportation Tracking System (DTTS) is required and the shipment is an explosive danger.	C	2	010	M	1	> 1	1	HL				
159-01	200	Detail - Net Explosive Weight Description (Metric)	M N0 1/12 Loop	2	010	M	1	>1	1	HL	HL01	628	M AN	1/12
		Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe Net Explosive Weights (Metric) that apply to the entire shipment.												
159-03	200	Hierarchical Level Code	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M ID	1/2
		This code identifies the Net Explosive Weight Description (Metric) Loop. PH - Product Characteristic												
160		200 L0 SEGMENT - Shipment Net Explosive Weight (Dry)	C	2	145	O	1	20	2	L0				

160-04 200 Shipment Net Explosive Weight (Dry) M R 1/8 Use value zero (0) to satisfy X12 syntax. [T_2 72/76]	2 145 O 1 20 2 L0 L004 81 C R 1/10
160-05 200 Shipment Net Explosive Weight Qualifier M ID 2/2 This element is required to satisfy X12 syntax whether explosive is dry or wet. CE - Certified Weight of Cargo	2 145 O 1 20 2 L0 L005 187 C ID 1/2

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
160-11		200 Shipment Net Explosive Weight Qualifier (Dry) ELEMENT CONDITION: Use this element only if explosive is dry. E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T Long Ton	C ID 1/1	2	145	O	1	20	2	L0	L011	188	O ID 1/1	
161		200 MEA SEGMENT - Shipment Net Explosive Weight (Wet) SEGMENT CONDITION: Use this segment only if explosive is wet.	C	2	160	O	10	20	2	L0			At least one of MEA03, MEA05, MEA06, or MEA08 is required. If MEA05 is present, then MEA04 is required. If MEA06 is present, then MEA04 is required. If MEA07 is present, then at least one of MEA03, MEA05, or MEA06 is required. Only one of MEA08 or MEA03 may be present.	
161-01		200 Shipment Net Explosive Weight Qualifier (Wet) NX - Net Explosive Weight	M ID 2/2	2	160	O	10	20	2	L0	MEA01	737	O ID 2/2	

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<p>161-03 200 Shipment Net Explosive Weight (Wet) M R 1/8</p> <p>Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_9 D-21 13/16]</p>	<p>2 160 O 10 20 2 L0 MEA03 739 C R 1/20</p>
<p>161-04 Composite Unit of Measure M CE</p> <p>C00101 calls for an identifier from the DE 355 code list. The element separator is not used in this template. Its elements are concatenated together without using a delimiter.</p>	<p>2 160 O 10 20 2 L0 MEA04 C001 C CE</p>
<p>161-04-01 Shipment Net Explosive Weight Qualifier M ID</p> <p>2/2 (Wet)</p> <p>By placing code value 'LT' (DE 355 unit qualifier) in the C00101, you are satisfying X12 syntax requirements for the composite data element. LT - Liter</p>	<p>2 160 C 10 20 2 L0 C00101 355 M ID 2/2</p>
<p>162 200 HL SEGMENT - Dunnage Weight C Description Loop</p> <p>LOOP CONDITION: Required if dunnage weight description Loop is required.</p>	<p>2 010 M 1 > 1 1 HL</p> <p>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.</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
162-01	200	Detail - Dunnage Weight Description Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe Dunnage Weights that apply to the entire shipment.	M	N0	1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
162-03	200	Hierarchical Level Code This code identifies the Dunnage Weight Description Loop. PH - Product Characteristic	M	ID	2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
163	200	L0 SEGMENT - Shipment C Dunnage Weight LOOP CONDITION: Required if and only if HL SEGMENT Dunnage Weight Description Loop is used.				2	145	O	1	20	2	L0					
163-04	200	Shipment Dunnage Weight Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_2 72/76]	M	R	1/8	2	145	O	1	20	2	L0	L004	81	C	R	1/10
163-05	200	Shipment Dunnage Weight Qualifier CD - Chargeable Dunnage	M	ID	2/2	2	145	O	1	20	2	L0	L005	187	C	ID	1/2

163-11	200 Shipment Dunnage Weight Unit Qualifier M	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
E - Metric Ton															
G - Grams															
K - Kilograms															
L - Pounds															
M - Measurement Ton															
O - Ounces															
S - Short Ton															
T - Long Ton															
164	200 HL SEGMENT - Pallet Weight	C Description Loop													
LOOP CONDITION: Required if pallet weight applies.				2	010	M	1	> 1	1	HL					
<p>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.</p> <p>The HL segment defines a top-down/left-right ordered structure.</p>															

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
164-01		200 Detail - Pallet Weight Description Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe pallet weights that apply to the entire shipment.	M N0 1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
164-03		200 Hierarchical Level Code This code identifies the Pallet Weight Description Loop. PH - Product Characteristic	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
165		200 L0 SEGMENT - Shipment Pallet C Weight LOOP CONDITION: Required if and only if HL SEGMENT - Pallet Weight Description Loop is used.		2	145	O	1	20	2	L0					
165-04		200 Shipment Pallet Weight Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_2 72/76]	M R 1/8	2	145	O	1	20	2	L0	L004	81	C	R	1/10
165-05		200 Shipment Pallet Weight Qualifier PA - Pallet Weight	M ID 2/2	2	145	O	1	20	2	L0	L005	187	C	ID	1/2

165-11	200 Shipment Pallet Weight Unit Qualifier	M	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
E - Metric Ton																
G - Grams																
K - Kilograms																
L - Pounds																
M - Measurement Ton																
O - Ounces																
S - Short Ton																
T - Long Ton																
166	200 HL SEGMENT - Skid Weight	C Description Loop			2	010	M	1	> 1	1	HL					
LOOP CONDITION: Required if skid weight is required.																
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.																

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
166-01		200 Detail - Skid Weight Description Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe skid weights that apply to the entire shipment.	M N0 1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
166-03		200 Hierarchical Level Code This code identifies the Skid Weight Description Loop. PH - Product Characteristic	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
167		200 L0 SEGMENT - Shipment Skid C Weight LOOP CONDITION: Required if and only if HL SEGMENT - Skid Weight Description Loop is used.		2	145	O	1	20	2	L0					
167-04		200 Shipment Skid Weight Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_2 72/76]	M R 1/8	2	145	O	1	20	2	L0	L004	81	C	R	1/10
167-05		200 Shipment Skid Weight Qualifier SK - Skid Weight	M ID 2/2	2	145	O	1	20	2	L0	L005	187	C	ID	1/2

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167-11	200 Shipment Skid Weight Unit Qualifier	M	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1
E - Metric Ton																
G - Grams																
K - Kilograms																
L - Pounds																
M - Measurement Ton																
O - Ounces																
S - Short Ton																
T - Long Ton																
168	200 HL SEGMENT - Freight Weight M Description Loop															
					2	010	M	1	> 1	1	HL					
<p>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.</p> <p>The HL segment defines a top-down/left-right ordered structure.</p>																

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
168-01	200	Detail - Freight Weight Description Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe freight weights that apply to the entire shipment.	M NO 1/12	2	010	M	1	>1	1	HL	HL01	628	M AN	1/12
168-03	200	Hierarchical Level Code This code identifies the Freight Weight Description Loop. PH - Product Characteristic	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M ID	1/2
169	200	L0 SEGMENT - Shipment Freight Weight	M	2	145	O	1	20	2	L0				
169-04	200	Shipment Freight Weight Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. The freight weight for all commodities should be accumulated and carried in the data element. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field. [T_2 72/76]	C R 1/8	2	145	O	1	20	2	L0	L004	81	C R	1/10
169-05	200	Shipment Freight Weight Qualifier FR - Freight Weight	C ID 2/2	2	145	O	1	20	2	L0	L005	187	C ID	1/2

<p>169-11 200 Shipment Freight Weight Unit Qualifier M ID 1/1</p> <p>E - Metric Ton</p> <p>G - Grams</p> <p>K - Kilograms</p> <p>L - Pounds</p> <p>M - Measurement Ton</p> <p>O - Ounces</p> <p>S - Short Ton</p> <p>T - Long Ton</p>	<p>2 145 O 1 20 2 L0 L011 188 O ID 1/1</p>
<p>170 300 HL SEGMENT - Accessorial/Protective C Services Loop</p> <p>LOOP CONDITION: Required if the shipment calls for accessorial or protective service. One HL Accessorial/Protective Services Loop must occur for each service ordered.</p>	<p>2 010 M 1 > 1 1 HL</p> <p>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.</p> <p>The HL segment defines a top-down/left-right ordered structure.</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
		170-01 300 Detail - Accessorial/Protective Services Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the Accessorial/Protective Services Loop. See Section 5.0 (DTEB Freight Bill of Lading Shipment Information Implementation Convention) for looping logic and examples.	M N0 1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
		170-03 300 Hierarchical Level Code This code identifies the Accessorial/Protective Services Loop. SS - Services	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2
171		300 N7 SEGMENT - Primary Equipment Identifier SEGMENT CONDITION: Required if the shipment moves on multiple pieces of equipment and the accessorial/protective service applies to a particular piece of equipment. Do not use this segment if the accessorial/protective service applies to the whole shipment.	C	2	020	O	1	>1	1	HL					
		171-01 300 Equipment Initial This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes initials of the furnished primary equipment in/on which the commodity is conveyed. ELEMENT CONDITION: If the value in N702 is other than 'NONE', or the equipment initials are not available, use the SCAC. SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association [T_2 9/12]	C AN 1/4	2	020	O	1	>1	1	HL	N701	206	O	AN	1/4

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<p>171-02 300 Equipment Number M AN 1/10 This data element satisfies in transit visibility requirements for multi-equipment shipments. It describes numbers on the furnished primary equipment in/on which the commodity is conveyed. [T_4 9/14]</p>	<p>2 020 O 1 >1 1 HL N702 207 M AN 1/10</p>
<p>172 300 N9 SEGMENT - Service Performed C SEGMENT CONDITION: Required for accessorial/protective services.</p>	<p>2 100 O 10 >1 1 HL At least one of N902 or N903 is required. If N906 is present, then N905 is required.</p>
<p>172-01 300 Service Performed Identifier M ID 2/2 1P - Accessorial Status Code</p>	<p>2 100 O 10 >1 1 HL N901 128 M ID 2/3</p>
<p>172-02 300 Service Performed Date Qualifier C AN 2/2 Use the following value to denote the DoD definition as indicated: DP Date Service was Performed [T_9 D-13 78/79]</p>	<p>2 100 O 10 >1 1 HL N902 127 C AN 1/30</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
		172-04 300 Service Performed Date The date the service was performed.	C	DT	8/8	2	100	O	10	>1	1	HL	N904	373	O	DT	8/8
173		300 N9 SEGMENT - Stop Sequence Number SEGMENT CONDITION: Required if stop-offs occur.	C			2	100	O	10	> 1	1	HL					
		173-01 300 Stop Sequence Number Qualifier QN - Stop Sequence Number	M	ID	2/2	2	100	O	10	>1	1	HL	N901	128	M	ID	2/3
		173-02 300 Stop Sequence Number If stops apply to a shipment, a service code is identified with a stop by carrying the sequence number of the stop address in this data element. That sequence number appears in the S5 segment in the header area of the transaction set.	M	N0	1/2	2	100	O	10	>1	1	HL	N902	127	C	AN	1/30
174		300 L0 SEGMENT - Service Units LOOP CONDITION: Required if and only if HL SEGMENT - Accessorial/Protective Services Loop is used.	C			2	145	O	1	20	2	L0					
		174-01 300 Service Loop Identifier Use value '300' to indicate service loop.	M	N0	3/3	2	145	O	1	20	2	L0	L001	213	O	N0	1/3
		174-02 300 Service Units The number of units (i.e. hours, 100 weight, etc.) for a specific additional service performed by the carrier. If this number is fractional, carry the decimal; if an integer, a decimal is not required. If service units do not apply, leave L002 and L003 blank.	C	R	1/11	2	145	O	1	20	2	L0	L002	220	C	R	1/11

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<p>174-03 300 Service Units Qualifier C ID 2/2</p> <p>ELEMENT CONDITION: Required if L002 is used. SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.</p>	<p>2 145 O 1 20 2 L0 L003 221 C ID 2/2</p>
<p>175 300 L1 SEGMENT - Service Rate C</p> <p>SEGMENT CONDITION: Required if and only if L0 SEGMENT - Service Units is used.</p>	<p>2 150 O 20 20 2 L0</p> <p>If either L102 or L103 is present, then the other is required. At least one of L104, L105, or L106 is required. If either L114 or L115 is present, then the other is required. If either L117 or L118 is present, then the other is required.</p>
<p>175-02 300 Service Rate C R 1/7</p>	<p>2 150 O 20 20 2 L0 L102 60 C R 1/9</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
175-03	300	Service Rate Qualifier ELEMENT CONDITION: Required if L102 is used. SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments, Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: FC, NM, P1, PM, XP	C	ID	2/2	2	150	O	20	20	2	L0	L103	122	C ID 2/2
175-04	300	Service Charge The charge for an accessorial or protective service. If the shipper does not know the charge, enter '00' in this data element. A two-position decimal is implied in this data.	M	N2	1/10	2	150	O	20	20	2	L0	L104	58	C N2 1/12
175-08	300	Service Identifier Code Code values apply both to services requested and received. See Section 6.0 for valid code list. SOURCE: Reference Section 6.0 of this IC, beginning on page 6.14, for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments,Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: 045, 495, 500, AAM, AAS	M	ID	3/3	2	150	O	20	20	2	L0	L108	150	O ID 3/3

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<p>175-12 300 Service Description C AN 2/25</p> <p>Some accessorial services such as empty movements and stops (including stop-offs, inside pickup and delivery, and objective service supply deliveries) require a Standard Point Location Code (SPLC) to describe where the service was performed. This information is required to determine the charge for the service.</p> <p>SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments, Accessorial Services for Tailored Transportation Contract Traffic Shipments, Accessorial/Protective Service For Air Shipments, Accessorial/Protective Service For Motor Shipments, Bulk Fuel Shipments, Miscellaneous Services, and Pipeline Shipments tables. Common code values associated with multiple definitions prevents documentation of the entire sub-set.</p> <p>Sample Values: LTL, TL</p>	<p>2 150 O 20 20 2 L0 L112 276 O AN 2/25</p>
<p>176 300 HL SEGMENT - Level of Service Loop C</p> <p>LOOP CONDITION: Use for air freight shipments.</p>	<p>2 010 M 1 > 1 1 HL</p> <p>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.</p> <p>The HL segment defines a top-down/left-right ordered structure.</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
176-01	300	Hierarchical ID Number	M AN 1/12	2	010	M	1	>1	1	HL	HL01	628	M AN	1/12
				<p>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.</p>										
176-03	300	Hierarchical Level Code	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M ID	1/2
		SS - Services												
				<p>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.</p>										
177		300 SL1 SEGMENT - Level of Service	C	2	095	O	1	> 1	1	HL				
		SEGMENT CONDITION: Required for air freight shipments.												
				<p>At least one of SL103 or SL104 is required.</p> <p>Scale and commodity codes are proprietary codes maintained by the carrier.</p>										
177-01	300	Service Level Code	M ID 2/2	2	095	O	1	>1	1	HL	SL101	284	M ID	2/2
		AE – Air Economy <i>Use 'AE' to denote Extended</i>												
		D1 - Delivery Scheduled Next Day by Cartage Agent <i>Use 'D1' to denote Overnight.</i>												
		D2 - Delivery scheduled second day by cartage agent <i>Use 'D2' to denote Second Day.</i>												
		D3 - Delivery scheduled third day by cartage agent <i>Use 'D3' to denote Deferred.</i>												
				<p>SL101 is the service requested by the customer.</p>										

<p>SG Standard Ground <i>Use 'SG' to denote Priority.</i></p>	
<p>177-03 300 Required Element M AN 1/1 Enter value zero (0) to satisfy X12 syntax.</p>	<p>2 095 O 1 >1 1 HL SL103 22 C AN 1/30</p>
<p>178 300 L0 SEGMENT - Type of Service C LOOP CONDITION: Required for air freight shipments.</p>	<p>2 145 O 1 20 2 L0 If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.</p>
<p>178-12 300 Type of Service Code M ID 2/2 AA - [Migration Code] Airport to Airport DA - Door-to-Airport of Debarkation DD - Door to Door RD - Ramp to Door Use 'RD' to denote Airport to Door.</p>	<p>2 145 O 1 20 2 L0 L012 56 O ID 2/2</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
179	300	L1 SEGMENT - Air Code SEGMENT CONDITION: Required for air freight shipments.	C	2	150	O	20	20	2	L0					
179-04	300	Air Charge Use value '000'.	M N2 3/3	2	150	O	20	20	2	L0	L104	58	C	N2	1/12
179-08	300	Air Code AIR - Air Freight	M ID 3/3	2	150	O	20	20	2	L0	L108	150	O	ID	3/3
180	301	HL SEGMENT - Fuel Surcharge Loop LOOP CONDITION: Required only when Mode is Air (BX02 code values 'AF', 'AH', 'FA') or Motor, as long as fuel surcharge policy is in effect.	C	2	010	M	1	> 1	1	HL					
180-01	301	Detail - Fuel Surcharge Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe a fuel surcharge.	M N0 1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
180-03	301	Hierarchical Level Code This code identifies the Fuel Surcharge Loop. 2 - Billing Arrangement	M ID 1/1	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2

				used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.											
181	301	L0 SEGMENT - Fuel	C	2	145	O	1	20	2	L0					
Surcharge Loop Identifier LOOP CONDITION: Required if and only if HL SEGMENT Fuel Surcharge Loop is used.				If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.											
181-01	301	Fuel Surcharge Loop Identifier	M N0 3/3	2	145	O	1	20	2	L0	L001	213	O	N0	1/3
Use value '301' to indicate fuel surcharge loop.															
182	301	L1 SEGMENT - Fuel	C	2	150	O	20	20	2	L0					
Surcharge SEGMENT CONDITION: Required if and only if L0 SEGMENT - Fuel Surcharge Loop Identifier is used.				If either L102 or L103 is present, then the other is required. At least one of L104, L105, or L106 is required. If either L114 or L115 is present, then the other is required. If either L117 or L118 is present, then the other is required.											
182-02	301	Fuel Surcharge Rate	C R 1/7	2	150	O	20	20	2	L0	L102	60	C	R	1/9

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
182-03 301		Fuel Surcharge Rate Qualifier PM - Per Mile PW - Percentage of Charges VT - Per Mile per Vehicle	C ID 2/2	2	150	O	20	20	2	L0	L103	122	C	ID	2/2
182-04 301		Fuel Surcharge The charge allowed for fuel surcharge.	M N2 1/8	2	150	O	20	20	2	L0	L104	58	C	N2	1/12
182-08 301		Fuel Surcharge Service Identifier 405 - Fuel Surcharge <i>Use '405' to denote Fuel Surcharge for Air and Fuel Adjustment for non-Air.</i>	M ID 3/3	2	150	O	20	20	2	L0	L108	150	O	ID	3/3
183 Loop		400 HL SEGMENT - Commodity Classification LOOP CONDITION: Required except for ocean and SPOT BID shipments.	C Summary	2	010	M	1	> 1	1	HL					
183-01 400		Detail - Commodity Classification Summary Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins a loop used to describe each different type of commodity being moved under the bill. Description of each individual commodity type requires an HL Segment.	M N0 1/12	2	010	M	1	>1	1	HL	HL01	628	M	AN	1/12
183-03 400		Hierarchical Level Code This code identifies the Commodity Classification Summary Loop. D - Product Description	M ID 1/1	2	010	M	1	>1	1	HL	HL03	735	M	ID	1/2

																				used to indicate that subsequent segments in the HL loop form a logical grouping of data referring to shipment, order, or item-level information.											
184	400	L7 SEGMENT - Tariff/Tender Rate Authority	C																	2	090	O	10	>1	1	HL					
		SEGMENT CONDITION: Used for SPOT BID shipments as well as ocean shipments.																													
184-02	400	Tariff/Tender Rate Authority (SCAC)	M	ID	2/4															2	090	O	10	>1	1	HL	L702	168	O	ID	1/4
		The Standard Carrier Alpha Code that prefixes the tender number. SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC - STAC), NMF 101 Series available from National Motor Freight Traffic Association, Inc.																													
184-03	400	Tariff/Tender Number	M	N0	6/6															2	090	O	10	>1	1	HL	L703	171	O	AN	1/7
184-08	400	Tariff/Tender Supplement Identifier	C	N0	2/2															2	090	O	10	>1	1	HL	L708	173	O	AN	1/4
		Enter two-digit number, using leading zero as required.																													

DoD INFORMATION					X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
		184-10 400 Tariff/Tender Effective Date Include for Tailored Transportation Contract (TTC) Traffic shipments.	C	DT	8/8	2	090	O	10	>1	1	HL	L710	373	O DT 8/8
															L710 is the effective date.
185		400 L5 SEGMENT - Commodity Description SEGMENT CONDITION: Required if and only if HL SEGMENT - Commodity Classification Summary Loop is used.	C			2	130	O	10	>1	1	HL			
															If either L503 or L504 is present, then the other is required. If L507 is present, then L506 is required. If either L508 or L509 is present, then the other is required.
		185-02 400 Commodity Description [T_8 11/14]	C	AN	1/50	2	130	O	10	>1	1	HL	L502	79	O AN 1/50
															L502 may be used to send quantity information as part of the product description.
		185-03 400 Commodity Code If the shipment goes FAK, enter the DoD unique FAK code instead of the NMFC/UFC. [T_0 18/18]	M	AN	6/8	2	130	O	10	>1	1	HL	L503	22	C AN 1/30
		185-04 400 Commodity Code Qualifier D - Department of Defense Unique Codes N - National Motor Freight Classification (NMFC) T - Standard Transportation Commodity Code (STCC) U - Uniform Freight Classification (UFC)	M	ID	1/1	2	130	O	10	>1	1	HL	L504	23	C ID 1/1
186		400 L0 SEGMENT - Commodity Billed/Rated Quantity LOOP CONDITION: Required if and only if HL SEGMENT - Commodity Classification Summary Loop is used.	C			2	145	O	1	20	2	L0			
															If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required.

If either L013 or L015 is present, then the other is required.

186-02 400 Commodity Billed/Rated Quantity

M R 1/8

2 145 O 1 20 2 L0 L002 220 C R 1/11

All quantities that appear in HL Line Item Description Loops must be accumulated by commodity and carried here within the HL Detail - Commodity Classification Summary Loop. A commodity is a single type of product or material. Transportation of a commodity is usually billed/rated by units of freight weight. A line item on a transportation bill describes a single commodity. The quantity of a line item commodity is described in the HL Detail - Line Item Description loop. There may be many line items (i.e., HL Detail - Line Item Description loops) of the same commodity. As with line item quantities, to describe accumulated quantities, two rules must be followed when constructing an L0 segment: 1) If the accumulated billed/rated quantity is expressed as freight weight, it appears here. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. Entry should not contain a decimal; decimal is assumed at right-most point of the field. The L004, L005, and L011 elements are not used. 2) If the accumulated billed/rated quantity is other than weight, such as barrels in the case of a pipeline shipment, it also appears here. In addition, the L004, L005, and L011 elements are used to carry the accumulated weight information, if required.

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
186-03	400	Commodity Billed/Rated Quantity Qualifier BA - Barrels GL - Gallon LB - Pound	M	ID	2/2	2	145	O	1	20	2	L0	L003	221	C	ID	2/2
186-04	400	Weight If the commodity freight weight has not been expressed as commodity billed/rated quantity in L002, then it can be expressed here. If the commodity is bulk fuel or another commodity that requires weight in addition to units shipped, carry the commodity's freight weight here and carry the units shipped in L002 and L003. Otherwise, carry all commodity weights in the L002 and L003. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	C	R	1/8	2	145	O	1	20	2	L0	L004	81	C	R	1/10
186-05	400	Weight Qualifier ELEMENT CONDITION: Required if L004 is used. FR - Freight Weight	C	ID	2/2	2	145	O	1	20	2	L0	L005	187	C	ID	1/2
186-11	400	Weight Unit Qualifier ELEMENT CONDITION: Required if L004 is used. E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces	C	ID	1/1	2	145	O	1	20	2	L0	L011	188	O	ID	1/1

<p>S - Short Ton</p> <p>T - Long Ton</p>	
<p>187 400 L1 SEGMENT - Freight Rate C</p> <p>SEGMENT CONDITION: Required if and only if L0 SEGMENT - Commodity Billed/Rated Quantity is used.</p>	<p>2 150 O 20 20 2 L0</p> <p>If either L102 or L103 is present, then the other is required. At least one of L104, L105, or L106 is required. If either L114 or L115 is present, then the other is required. If either L117 or L118 is present, then the other is required.</p>
<p>187-02 400 Freight Rate C R 1/9</p> <p>Enter freight rate applied to the shipment of the commodity. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.</p>	<p>2 150 O 20 20 2 L0 L102 60 C R 1/9</p>

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
187-03		400 Freight Rate Qualifier ELEMENT CONDITION: Required if L102 is used. SOURCE: Reference Section 6.0 of this IC for code values using applicable Freight Rate Qualifier table. Common code values associated with multiple definitions prevents documentation of the entire sub-set. See Section 6 for list of data values.	C	ID	2/2	2	150	O	20	20	2	L0	L103	122	C ID 2/2
187-04		400 Freight Charge The total line haul charge for the specific commodity described in L503.	M	N2	1/10	2	150	O	20	20	2	L0	L104	58	C N2 1/12
187-09		400 Type of Rate Qualifier Qualifies the authority (tender/tariff) number identified in the HL Detail - Line Item Description loop, L7 segment. A - Alternate Rating C - Specific Commodity Rate I - Class Not Identifiable L - Class Rate QUO - Quoted Rate Y - Exception Rating	M	ID	1/3	2	150	O	20	20	2	L0	L109	121	O ID 1/3
187-14		400 Declared Value ELEMENT CONDITION: Required for proper application of rates for certain commodities.	C	N2	2/10	2	150	O	20	20	2	L0	L114	74	C N2 2/12
187-15		400 Declared Value Rate Qualifier ELEMENT CONDITION: Required if L114 is used. LA - Per Pound Per Article LB - Per Pound LV - Per Pound Per Vehicle	C	ID	2/2	2	150	O	20	20	2	L0	L115	122	C ID 2/2

PV - Per Vehicle		
188	400 LH1 SEGMENT - HAZMAT Quantities C LOOP CONDITION: Use this segment if the commodity is hazardous material.	2 170 O 1 100 2 LH1
188-01	400 HAZMAT - Unit Of Measure Code M ID 2/2 Use 'ZZ' in this data element and zero (0) in LH102 to indicate commodity requires a HAZMAT indicator. ZZ - Mutually Defined	2 170 O 1 100 2 LH1 LH101 355 M ID 2/2 LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
		188-02 400 HAZMAT - Lading Quantity Use the value zero (0). [T_9 D-15 54/79]	M N0 1/1	2	170	O	1	100	2	LH1	LH102	80	M N0 1/7	
189		500 HL SEGMENT - ITO Quality Management Info C Loop Qualifier LOOP CONDITION: Use if the shipper needs to report quality control information, DG 500 must appear.		2	010	M	1	> 1	1	HL				
		189-01 500 Detail - ITO Quality Management Info Loop Qualifier Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to carry ITO Quality Management Information.	M N0 1/12	2	010	M	1	>1	1	HL	HL01	628	M AN 1/12	
		189-03 500 Hierarchical Level Code This code identifies the ITO Quality Management Information Loop. AD - Administrative Information	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M ID 1/2	
190		500 N9 SEGMENT - Reason (Not Lowest Cost) C SEGMENT CONDITION: Required only if HL SEGMENT - ITO Quality Management Info Loop Qualifier is used.	C	2	100	O	10	> 1	1	HL				

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<p>190-01 500 Reason (Not Lowest Cost) Qualifier This qualifier must appear if not lowest cost is used. 25 - Reason Not Lowest Cost Code</p>	<p>M ID 2/2</p> <p>2 100 O 10 >1 1 HL N901 128 M ID 2/3</p>
<p>190-02 500 Reason (Not Lowest Cost) Code that identifies the 'Reason Not Lowest Cost' service provided as defined by the "Freight Lading Bill Reason Code" table found in USTranscom Reference Data Management (TRDM), mirrored at http://www.transcom.mil/dteb/files/refdata/V_D_FRGHT_LDNG_BL4_CD.htm. [T_9 D-13 78/79]</p>	<p>M AN 1/30</p> <p>2 100 O 10 >1 1 HL N902 127 C AN 1/30</p>
<p>191 500 L0 SEGMENT - Quality Control LOOP CONDITION: This segment is required only if HL SEGMENT - ITO Quality Management Info Loop Qualifier is used.</p>	<p>C</p> <p>2 145 O 1 20 2 L0</p> <p>If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.</p>
<p>191-01 500 Item Qualifier Use value '500' to satisfy X12 syntax for the Not Lowest Cost Charge Difference Loop.</p>	<p>M N0 3/3</p> <p>2 145 O 1 20 2 L0 L001 213 O N0 1/3</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
192	500	L1 SEGMENT - Not Lowest Cost Charge Difference SEGMENT CONDITION: Required if and only if L0 SEGMENT - Quality Control is used.	C	2	150	O	20	20	2	L0				
	192-04 500	Not Lowest Cost Charge Difference Use value zero (0) if no charge difference is available.	M N2 1/12	2	150	O	20	20	2	L0	L104	58	C N2	1/12
193	600	HL SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee Loop LOOP CONDITION: Required for all Defense Freight Transportation Services (DFTS) shipments.	C	2	010	M	1	> 1	1	HL				
	193-01 600	Detail - TWCF Recovery Fee Loop Use the value '1' for the first HL loop and increment by 1 for each successive HL loop regardless of usage of the HL loop. This segment begins the loop used to describe the TWCF recovery fee associated to DFTS shipments.	M N0 1/12	2	010	M	1	>1	1	HL	HL01	628	M AN	1/12
	193-03 600	Hierarchical Level Code	M ID 2/2	2	010	M	1	>1	1	HL	HL03	735	M ID	1/2

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<p>This code identifies the TWCF Recovery Fee Loop. CT - Cost Type</p> <p><i>Use 'CT' to denote Transportation Working Capital Fund (TWCF) Recovery Fee.</i></p>	<p>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.</p>
<p>194 600 L0 SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee Loop Identifier C</p> <p>LOOP CONDITION: Required if and only if HL SEGMENT Transportation Working Capital Fund (TWCF) Recovery Fee Loop is used.</p>	<p>2 145 O 1 20 2 L0</p> <p>If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.</p>
<p>194-01 600 TWCF Recovery Fee Loop Identifier M NO 3/3 Use value '600' to indicate TWCF Recovery Fee loop.</p>	<p>2 145 O 1 20 2 L0 L001 213 O NO 1/3</p>
<p>195 600 L1 SEGMENT - Transportation Working Capital Fund (TWCF) Recovery Fee C</p> <p>SEGMENT CONDITION: Required if and only if L0 SEGMENT Transportation Working Capital Fund (TWCF) Recovery Fee Loop Identifier is used.</p>	<p>2 150 O 20 20 2 L0</p> <p>If either L102 or L103 is present, then the other is required. At least one of L104, L105, or L106 is required. If either L114 or L115 is present, then the other is required. If either L117 or L118 is present, then the other is required.</p>
<p>195-02 600 TWCF Recovery Fee Rate C R 1/7 ELEMENT CONDITION: Used to pass the TWCF Recovery Fee rate applied per the DFTS contract.</p>	<p>2 150 O 20 20 2 L0 L102 60 C R 1/9</p>
<p>195-03 600 TWCF Recovery Fee Qualifier C ID 2/2 PS - Per Shipment</p>	<p>2 150 O 20 20 2 L0 L103 122 C ID 2/2</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
195-04	600	TWCF Recovery Fee The charge allowed for TWCF recovery fee.	M N2 1/8	2	150	O	20	20	2	L0	L104	58	C	N2	1/12
195-08	600	TWCF Recovery Fee Service Identifier 615 - Recovery Fee Use '615' to denote Transportation Working Capital Fund (TWCF) Recovery Fee.	M ID 3/3	2	150	O	20	20	2	L0	L108	150	O	ID	3/3
196	990	L3 SEGMENT - Bill of Lading Totals M		3	010	O	1								
				If either L301 or L302 is present, then the other is required. If either L303 or L304 is present, then the other is required. If either L309 or L310 is present, then the other is required. If L312 is present, then L301 is required. If either L314 or L315 is present, then the other is required.											
196-05	990	Total Charge for Shipment Estimated or calculated charge for entire shipment.	M N2 1/12	3	010	O	1				L305	58	O	N2	1/12
196-09	990	Total Cube of Shipment [T_0 77/80]	C R 1/8	3	010	O	1				L309	183	C	R	1/8
196-10	990	Total Cube of Shipment Qualifier ELEMENT CONDITION: This qualifier must appear if total cube of shipment (L309) is used. E - Cubic Feet F - 100 Board Feet G - Gallons H - Hundreds of Measurement Tons S - Measurement Ton	C ID 1/1	3	010	O	1				L310	184	C	ID	1/1

<p>V - Liter</p> <p>X - Cubic Meters</p>	
<p>196-11 990 Number of Carloads/Truckloads Used C NO 1/3</p> <p>The total number of pieces of equipment used for the shipment. This quantity may be used to rate the cost of a shipment.</p>	<p>3 010 O 1 L311 80 O NO 1/7</p>
<p>197 10 SE SEGMENT - Bill of Lading Trailer M</p>	<p>3 020 M 1</p> <p>SE is the last segment of each transaction set.</p>
<p>197-01 10 Number of Included Segments M NO 1/6</p> <p>Total segments in this transaction set including the ST and SE segments.</p>	<p>3 020 M 1 SE01 96 M NO 1/10</p>

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION		
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes
197-02	10	Transaction Set Control Number This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set.	M AN 4/9	3	020	M	1				SE02	329	M AN 4/9

Section 5.0

IC ELEMENTS IN EDI FORMAT

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

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

Example 2.1 - Accessorial Escort Service from ITO to MSDDC

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

Example 3 – Bill of Lading Correction Indicator String

How to Read the Examples

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

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

TABLE A - HEADER AREA

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

N1~PO~Commanding General n/l  
N3~Marine Corps Logistics Base n/l  
N4~Albany~GA~317045000 n/l

**Bill charges to**

N1~IU~Traffic Management Office n/l  
N3~Naval Weapons Station n/l  
N4~Charleston~SC~294087000 n/l  
PER~IO~D.L. Allen n/l

**Issuing office**

FA1~DF n/l

**Accounting Information**

FA2~{Breakdown Structure Detail Code}~{Financial Information Code}  
L10~{Appropriation Weight}~N~L n/l

TABLE B - DETAIL AREA

HL~1~~I n/l	<b>100 Detail - Line Item Description Loop, LINE ITEM 1</b>
N7~TTWX~993476 n/l	<b>Cross reference to primary equipment</b>
NA~~~DODV~0331011 n/l	<b>Shipper-owned equipment</b>
M7~0286446 n/l	
N9~TG~00001410011352092 n/l	<b>TCN</b>
N9~M6~2 n/l	
L5~~~{UFC no.}~D n/l	<b>Line description</b>
LH6~M. B. MEIERDIERKS~2~	
THIS IS TO CERTIFY THAT THE HEREIN NAMED n/l	<b>Additional Hazmat Info</b>
LH6~M. B. MEIERDIERKS~2~	
MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED n/l	
LH6~M. B. MEIERDIERKS~2~	
MARKED, AND LABELED AND ARE IN PROPER CONDITION n/l	
LH6~M. B. MEIERDIERKS~2~	
FOR TRANSPORTATION ACCORDING TO THE APPLICABLE n/l	
LH6~M. B. MEIERDIERKS~2~	
REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION n/l	
L0~~1800~LB~~~104.7~E~18~BOX n/l	<b>Weights and quantity</b>
MEA~NX~~206.46~PN n/l	<b>Net explosive weight</b>
MEA~NX~~93.85~KG n/l	
LH1~BX~18~UN0181~~~LB~1800~~R~II n/l	<b>Hazmat information</b>
LH2~1.1E~P n/l	
LH3~Rockets with Bursting Charge n/l	
FA1~DF n/l	<b>Accounting Information</b>
FA2~{Breakdown Structure Detail Code}~{Financial Information Code}	
HL~2~~I n/l	<b>100 Detail - Line Item Description Loop, LINE ITEM 2</b>
N7~TTWX~993476 n/l	<b>Cross reference to primary equipment</b>
NA~~~DODV~0331011 n/l	<b>Shipper-owned equipment</b>
M7~0286446 n/l	
N9~TG~00001425010249982 n/l	
N9~M6~2 n/l	
N9~II~{DoDIC} n/l	<b>DoDIC</b>
L5~~~{UFC no.}~D n/l	

L0~2514.7~LB~~~223.6~E~24~BOX n/l  
MEA~NX~~20.64~PN n/l  
MEA~NX~~9.38~KG n/l  
LH1~ BX~18~UN0181~~~LB~1800~~R~II n/l  
LH2~1.1E~P n/l  
LH3~Rockets with Bursting Charge~D n/l  
FA1~DF n/l  
FA2~{Breakdown Structure Detail Code}~{Financial Information Code}

**Accounting Information**

HL~3~~I n/l

**100 Detail - Line Item Description  
Loop, LINE ITEM 3**

N7~TTWX~993476 n/l

**Cross reference to primary  
equipment**

NA~~~DODV~0331011 n/l

**Shipper-owned equipment**

M7~0286446 n/l

N9~TG~00001427012271722 n/l

N9~M6~2 n/l

N9~II~{DoDIC} n/l

L5~~~{UFC no.}~D n/l

L0~2016~LB~~~197.0~E~28~BOX n/l

MEA~NX~~168.00~PN n/l

MEA~NX~~76.36~KG n/l

LH1~BX~18~UN0181~~~LB~1800~~R~II n/l

LH2~1.1E~P n/l

LH3~Rockets with Bursting Charge~D n/l

FA1~DF n/l

**Accounting Information**

FA2~{Breakdown Structure Detail Code}~{Financial Information Code}

HL~4~~I n/l

**100 Detail - Line Item Description  
Loop, LINE ITEM 4**

N7~TTWX~993476 n/l

**Cross reference to primary  
equipment**

NA~~~DODV~0350602 n/l

**Shipper-owned equipment**

M7~0286491 n/l

N9~TG~00001325010150359 n/l

N9~M6~4 n/l

N9~II~{DoDIC} n/l

**DoDIC**

L5~~~{UFC no.}~D n/l

L0~19800~LB~~~720.4~E~24~BOX n/l

MEA~NX~~2400.00~PN n/l

MEA~NX~~1090.9~KG n/l

LH1~BX~18~UN0181~~~LB~1800~~R~II n/l

LH2~1.1D~P n/l

LH3~Rockets with Bursting Charge~D n/l

FA1~DF n/l

**Accounting Information**

FA2~{Breakdown Structure Detail Code}~{Financial Information Code}

HL~5~~I n/l

**100 Detail - Line Item Description  
Loop, LINE ITEM 5**

N7~TTWX~993476 n/l

**Cross reference to primary  
equipment**

NA~~~DODV~0331011 n/l

**Shipper-owned equipment**

M7~0286491 n/l

N9~TG~00001410000238115 n/l

N9~II~ML05 n/l

**DoDIC**

L5~~~{UFC no.}~D n/l

L0~~5200~LB~~~0.0~E~1~CNT n/l

MEA~SK~B~200.5~PN n/l

**Weight of the skid used for this type  
pack**

MEA~DN~B~20.5~PN n/l

**Weight of the dunnage for this type  
pack**

FA1~DF n/l

**Accounting Information**

FA2~{Breakdown Structure Detail Code}~{Financial Information Code}

HL~6~~PH n/l

**200 Detail - Weights Description  
Loop**

L0~~~~31551.70~N~~~~~L n/l

**Original shipment net weight**

HL~7~~PH n/l

L0~~~~2795.10~CE~~~~~L n/l

**Original shipment net explosive  
weight**

HL~8~~PH n/l

**Original shipment skid weight**

L0~~~~200.5~SK n/l

HL~9~~PH n/l

**Original shipment dunnage weight**

L0~~~~20.5~CD n/l

HL~10~~PH n/l

**Original shipment freight weight**

L0~~~~31330.7~FR n/l

HL~11~~SS n/l

N9~1P~~19880525 n/l

L0~300~50~NC n/l

L1~~50.00~FC~5000~~~~HHB n/l

HL~12~~D n/l

L7~~CSXT~600583 n/l

L5~~~~{UFC No.}~U n/l

L0~~{Total UFC qty}~LB~{Total UFC qty}~FR~~~~~L n/l

L1~~.0035~HM~~~~~168~LB n/l

HL~13~~AD n/l

N9~25~A n/l

L0~500 n/l

L1~~~~10000 n/l

**Accessorial Loop**

**Date service performed**

**Rate qualifier/minimum per shipment**

**Charge and type of service**

**Commodity summary loop**

**Effective tender for this commodity**

**Commodity code**

**Total quantity and weight**

**Rate and declared value**

**ITO quality management loop**

**Not lowest cost reason code**

**Difference between actual cost and lowest cost (\$100.00)**



TABLE C - SUMMARY AREA

L3~~~~~7165600~~~~~1245.7~E~1 n/l

**Estimated charges**

SE~{total segments in transaction set}~431240001 n/l

**Transaction set trailer**

## EXAMPLE 2.1 - Accessorial Service From ITO to MSDDC

### TABLE B - DETAIL AREA

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

HL~3~SS n/l

**300 Detail - Accessorial and Protective Service Loop. This HL loop describes FIRST DAY service.**

N9~1P~DP~~19920317

**Date service performed.**

L0~300~250~DM n/l

**250 miles.**

L1~~~~00~~~~MES n/l

**DoD service code. Must be in first L0 loop.**

L0~300~2~NV n/l

**2 vehicles.**

L0~300~4~PR n/l

**4 persons.**

HL~4~SS n/l

**300 Detail - Accessorial and Protective Service Loop. This HL loop describes SECOND DAY service.**

N9~1P~DP~~19920318

**Date service performed. Must be in first L0 loop.**

L0~300~125~DM n/l

**125 miles.**

L1~~~~00~~~~MES n/l

**DoD service code. Must be in first L0 loop.**

L0~300~1~NV n/l

**1 vehicle.**

L0~300~2~PR n/l

**2 persons.**

## EXAMPLE 2.2 - Accessorial Service From ITO to MSDDC

### TABLE B - DETAIL AREA

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

HL~3~~SS n/1

**300 Detail - Accessorial and Protective Service Loop. This HL loop describes FIRST DAY service.**

N9~1P~DP~~19920318

**Date service performed.**

L0~300 n/1

**This segment required by X12 syntax rules.**

L1~~~~00~~~~PER n/1

**DoD service code.**

## EXAMPLE 3 - Bill of Lading Correction Indicator String.

### NTE SEGMENT

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

TABLE B-1 BILL OF LADING SHIPMENT INFORMATION CORRECTION INDICATORS

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

### EXAMPLE:

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

NTE~CHG~YYNNNYNN n/l

(Blank Page)

## Section 6.0

### APPLICATION CODE LISTS

## 2-02 -- Transportation Method Code (Mode Code)

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

## 92-01 -- Breakdown Structure Detail Code

Data Value - Definition
84 - Total Direct Costs
89 - Budget Line Item
90 - Project Identifier
A1 - Department Indicator
<i>** Use 'A1' to denote Department Regular.</i>
A2 - Transfer from Department
<i>** Use 'A2' to denote Department Transfer.</i>
A3 - Fiscal Year Indicator
A4 - Basic Symbol Number
<i>** Use 'A4' to denote Main Account.</i>
A5 - Sub-class
A6 - Sub-Account Symbol
<i>** Use 'A6' to denote Sub Account.</i>
AI - Activity Identifier
AT - Air Force Transportation Account Code (ATAC)
B1 - Budget Activity Number
B2 - Budget Sub-activity Number
<i>** Use 'B2' to denote Sub-Allocation.</i>
B3 - Budget Program Activity
BE - Business Event Type Code
C1 - Program Element
C2 - Project Task or Budget Subline
C3 - Budget Restriction
<i>** Use 'C3' to denote Availability Type.</i>
CC - Cost Center Identifier
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
FA - Functional Area
FC - Funding Center Identifier
FT - Funding Type
G2 - Special Interest Code or Special Program Cost Code
H1 - Cost Code
<i>** Use 'H1' to denote Cost Element Code.</i>
I1 - Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)
<i>** Use 'I1' to denote Abbreviated Department of Defense (DoD) Budget and Accounting Classification.</i>
IA - Security Cooperation Implementing Agency Code
J1 - Document or Record Reference Number
K6 - Accounting Classification Reference Code
L1 - Accounting Installation Number
<i>** Use 'L1' to denote Agency Accounting Identifier.</i>
M1 - Local Installation Data
MD - Movement Designator Code (MDC)
N1 - Transaction Type
P1 - Disbursing Station Number
<i>** Use 'P1' to denote Agency Disbursing Identifier Code.</i>
P5 - Foreign Military Sales (FMS) Line Item Number
S1 - Security Cooperation
S2 - Security Cooperation
TA - Transportation Account Code (TAC)
WO - Work Order Number
YB - Beginning Period of Availability Fiscal Year Date
YE - Ending Period of Availability Fiscal Year Date
ZZ - Mutually Defined



## 119-05 -- Freight Weight Qualifier

Data Value - Definition
A - Consolidated Weight
A1 - Dimensional Weight
A2 - Reweighed By Carrier
A3 - Shippers Weight
A4 - Average Weight per Load
B - Billed Weight
C - Actual Net Repeated for Combination
CD - Chargeable Dunnage
CE - Certified Weight of Cargo
D - Destination Weight Agreement
DR - Drained Weight
E - Estimated Net Weight
F - Deficit Weight
FR - Freight Weight
G - Gross Weight
H - Weight Per 100 Feet
I - Weight Per 1000 Feet
J - Light Weight
K - Clean Out
L - Legal Weight
LC - Maximum Lading Capacity
M - Minimum Weight (for rate)
N - Actual Net Weight
ND - Nonchargeable Dunnage
NI - Non-Temporary Storage Weight In
NR - Non-Temporary Storage Weight Re-handled
NT - Non-Temporary Storage Weight Out
O - Excess Weight Over Maximum
P - Weight Per 100 Units
PA - Pallet Weight
Q - Weight Per 1000 Units
R - Per Unit Dunnage
RG - Reweigh Gross Weight
RN - Reweigh Net Weight
RT - Reweigh Tare Weight
S - State Weight
SF - Storage in Transit Final Weight Out
SI - Storage in Transit Weight in
SK - Skid Weight
SO - Storage in Transit Weight Out
T - Tare Weight
U - Weight Per Unit
V - Non Transit Weight (On Transit Bills Only)
W - Transit Weight (On Transit Bills Only)
WA - Administrative Weight Allowance
WB - Unaccompanied Baggage Weight
WG - Professional Gear Weight
WJ - Joint Travel Regulation Weight
X - Maximum Weight (for Rate)
Y - Theoretical Weight
Z - Mutually Defined

## 128-06 -- HAZMAT - English Measurement Code

Data Value - Definition
-------------------------

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

## 143-01 -- Breakdown Structure Detail Code

Data Value - Definition
84 - Total Direct Costs
89 - Budget Line Item
90 - Project Identifier
A1 - Department Indicator
<i>** Use 'A1' to denote Department Regular.</i>
A2 - Transfer from Department
<i>** Use 'A2' to denote Department Transfer.</i>
A3 - Fiscal Year Indicator
A4 - Basic Symbol Number
<i>** Use 'A4' to denote Main Account.</i>
A5 - Sub-class
A6 - Sub-Account Symbol
<i>** Use 'A6' to denote Sub Account.</i>
AI - Activity Identifier
AT - Air Force Transportation Account Code (ATAC)
B1 - Budget Activity Number
B2 - Budget Sub-activity Number
<i>** Use 'B2' to denote Sub-Allocation.</i>
B3 - Budget Program Activity
BE - Business Event Type Code
C1 - Program Element
C2 - Project Task or Budget Subline
C3 - Budget Restriction
<i>** Use 'C3' to denote Availability Type.</i>
CC - Cost Center Identifier
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
FA - Functional Area
FC - Funding Center Identifier
FT - Funding Type
G2 - Special Interest Code or Special Program Cost Code
H1 - Cost Code
<i>** Use 'H1' to denote Cost Element Code.</i>
I1 - Abbreviated Department of Defense (DoD) Budget and Accounting Classification Code (BACC)
<i>** Use 'I1' to denote Abbreviated Department of Defense (DoD) Budget and Accounting Classification.</i>
IA - Security Cooperation Implementing Agency Code
J1 - Document or Record Reference Number
K6 - Accounting Classification Reference Code
L1 - Accounting Installation Number
<i>** Use 'L1' to denote Agency Accounting Identifier.</i>
M1 - Local Installation Data
MD - Movement Designator Code (MDC)
N1 - Transaction Type
P1 - Disbursing Station Number
<i>** Use 'P1' to denote Agency Disbursing Identifier Code.</i>
P5 - Foreign Military Sales (FMS) Line Item Number
S1 - Security Cooperation
S2 - Security Cooperation
TA - Transportation Account Code (TAC)
WO - Work Order Number
YB - Beginning Period of Availability Fiscal Year Date
YE - Ending Period of Availability Fiscal Year Date
ZZ - Mutually Defined

## Section 9.0

# ADDITIONAL INFORMATION FOR THE DEVELOPER

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

## Looping Logic for Bill of Lading Data Groups

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

### DATA GROUP 60 - EQUIPMENT INFORMATION

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

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

#### *Terms*

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

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

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

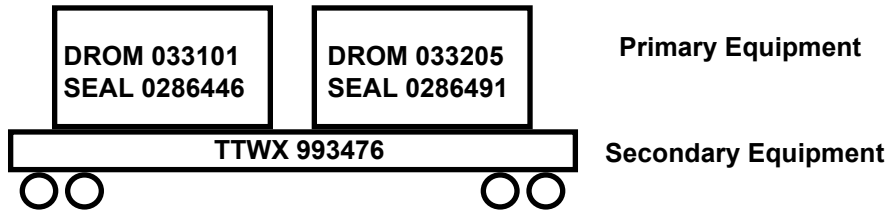


Table 9.1 - Mapping and Example Data for Equipment Configuration 1

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

*Configuration 1 Example*

- HEADER AREA

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

- DETAIL AREA

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

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

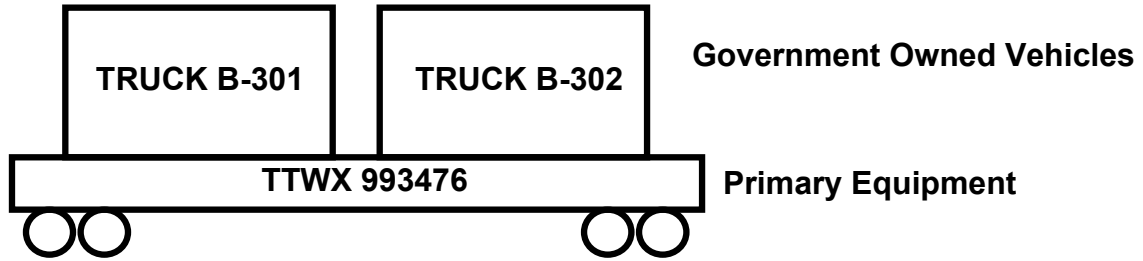




Table 9.2 - Mapping and Example Data for Equipment Configuration 2

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

*Configuration 2 Example*

- HEADER AREA

N7~TTWX~993476~~~~~08904~~~~~

KF2x n/l

Primary 1 furnished

N5~08904~149000~~KF2x n/l

Primary ordered

- DETAIL AREA

HL~100~I n/l

N7~TTWX~993476 n/l

Primary 1 visibility

NA~VT~VIN~NONX~B-301 n/l

Gov't owned vehicle

L5~ ... n/l

HL~100~I n/l

N7~TTWX~993476 n/l

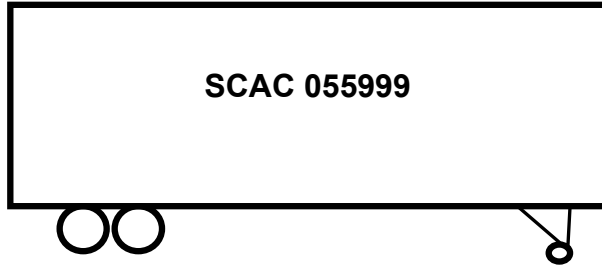
Primary 1 visibility

NA~VT~VIN~NONX~B-302 n/l

Gov't owned vehicle

L5~ ... n/l

CONFIGURATION 3 - PRIMARY EQUIPMENT (MOTOR VAN)



**Primary Equipment**

Table 9.3 - Mapping and Example Data for Equipment Configuration 3

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

*Configuration 3 Example*

- HEADER AREA

N7~SCAC~055999~04500~

AV3x n/l

NA~~TTWX~993476 n/l

N5~04000~40000~~AV2x n/l

Primary Equipment Furnished

Secondary Equipment Furnished

Primary Equipment Ordered

- DETAIL AREA

HL~100~I n/l

No visibility needed for this  
configuration

N7~SCAC~05599 n/l

L5~ ... n/l

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

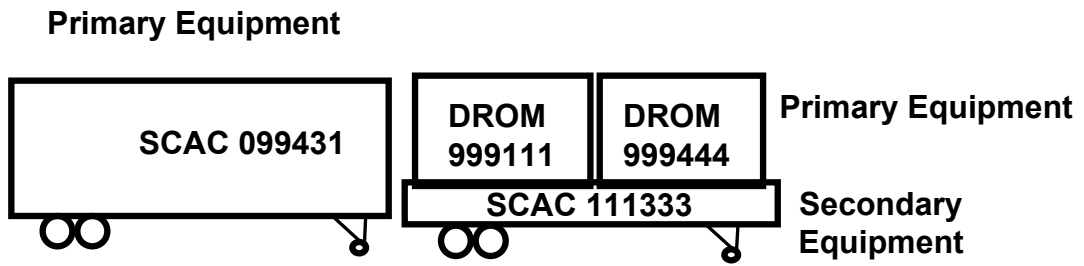


Table 9.4 - Mapping and Example Data for Equipment Configuration 4

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

*Configuration 4 Example*

- HEADER AREA

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

- DETAIL AREA

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



DATA GROUP 80 - STOP INFORMATION

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

- HEADER AREA

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

- DETAIL AREA

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

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

## DATA GROUP 100 - COMMODITY HEADER INFORMATION

## DATA GROUP 120 - COMMODITY DETAIL INFORMATION

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

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

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

- 1) If the commodity quantity is expressed as weight, it appears in the L002 and L003 elements. The L004, L005, and L011 elements should not be used.
- 2) If the commodity quantity is expressed in units other than weight, those units also appear in the L002 and L003 elements. The L004, L005, and L011 elements are used to carry the weight information if required in addition to the quantity units.

## DATA GROUP 190 - HAZMAT INFORMATION

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

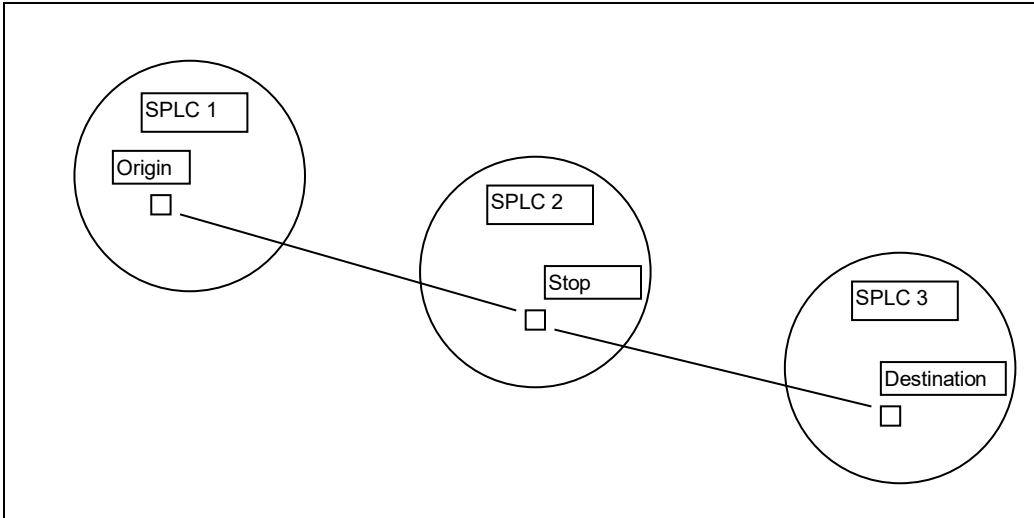
## Shipment Stop Scenarios

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

## STOP (SOC)

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

*Figure 9.1 Stops*



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

ST

.  
 S5~1~UL~~~~~SPLC2

Stop unload

.  
 HL~100~I

Line 1 at stop 1

N9~QN~1

.  
 HL~300~SS

Stop sequence from S5

N9~QN~1

L0~300

L1~~~~5000~~~~SOC

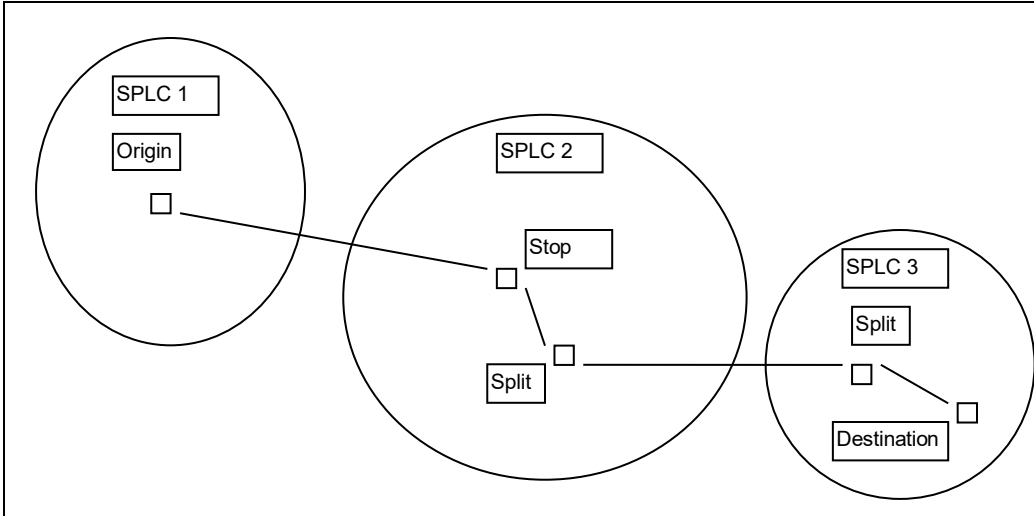
Charge, stop (SOC) service, and SPLC

.  
 SE

### SPLIT STOPS (SPU, SDL)

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

Figure 9.2 Split Stops



#### EDI X12 EXAMPLE:

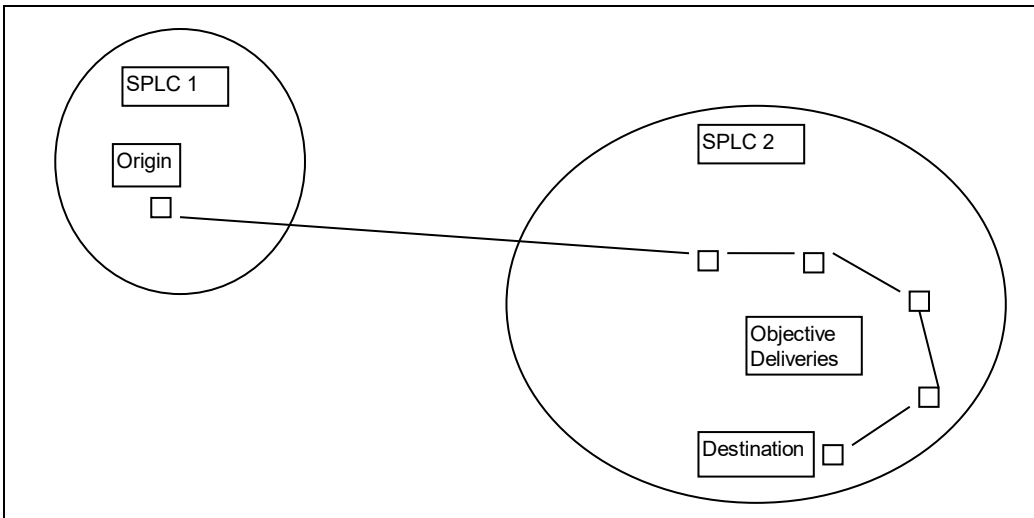
ST

.	
S5~1~UL~~~~~SPLC2	Stop unload
S5~2~UL~~~~~SPLC2	Split unload
S5~3~UL~~~~~SPLC3	Split unload
.	
HL~100~I	Line 1 at stop 1
N9~QN~1	
HL~100~I	Line 2 at split
N9~QN~2	
HL~100~I	Line 3 at split
N9~QN~3	
.	
HL~300~SS	
N9~QN~1	Stop sequence from S5
L0~300	
L1~~~~5000~~~~SOC~~~~SPLC2	Charge, service, and SPLC
HL~300~SS	
L0~300~2~SP	Quantity of accessorial service units
L1~~SP~5000~100.00~~~~SDL	Rate and charge for two split deliveries (SDLs)
SE	

## OBJECTIVE SERVICE SUPPLY DELIVERIES

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

Figure 9.3 Objective Service Supply Deliveries



### EXAMPLE:

ST

.  
S5~1~UL~~~~~SPLC2  
S5~2~UL~~~~~SPLC2  
S5~3~UL~~~~~SPLC2  
S5~4~UL~~~~~SPLC2

Objective unload  
Objective unload  
Objective unload  
Objective unload

.  
HL~100~I  
N9~QN~1  
HL~100~I  
N9~QN~2  
HL~100~I  
N9~QN~3  
HL~100~I  
N9~QN~4

Line 1 at objective 1  
Line 2 at objective 1  
Line 3 at objective 1  
Line 4 at objective 1

.  
HL~300~SS  
L0~300~4~SP  
L1~~{qualifier}~5000~200.00~~~~DIS

Quantity of accessorial service units  
Rate and charge for four DIS deliveries

SE

## SPECIAL CASES

### *Split Stops*

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

- Voluntary Tenders

Load and unload actions are identified using code SPU.

- Tailored Transportation Contract Traffic Tenders

Load actions are identified using code SPU.

Unload actions are identified using code SDL.

### *Intransit pickup and delivery*

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



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