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Department  
of  
Defense

DoD  
Transportation  
Electronic Business  
(DTEB) Convention

ASC X12 Transaction Set 310  
Freight Receipt and Invoice  
(Ocean) (Version 004010)

**VERSION 1**

May 2012



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# Section 1.0

## INTRODUCTION

This implementation convention (IC) describes the standard or convention the Department of Defense will use to exchange Freight Receipt and Invoice (Ocean) in support of the Defense Transportation Electronic Business (DTEB) program. [The copyright on the ASC X12 standards is held by the Data Interchange Standards Association on behalf of ASC X12.](#)

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

United States Transportation Command  
TCJ6-SD  
508 Scott Drive  
Scott Air Force Base, IL 62225-7001

For the most recent publication, go

[https://its.ustranscom.mil/cris/dteb/ic/trans\\_ics.cfm](https://its.ustranscom.mil/cris/dteb/ic/trans_ics.cfm)

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

## Who Needs to Use This Document?

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

## Why Use a Convention?

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

## Contents

Additional sections are included in this document.

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

# What's New In Version 1

## Added in Version 1

DM Number	DM Description	Approval Date
1065	Data Element 373, ref des B306 at index 9, delete note: "Enter the date this TS 310 is being transmitted."	8/22/2012
1060	At Index 23, V101 - Vessel Code (data element 597) change requirements designator from Conditional to Mandatory.	8/13/2012

## Section 2.0

# CONTROL SEGMENTS

### Instruction

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

[https://its.ustranscom.mil/cris/dteb/ic/trans\\_ics.cfm](https://its.ustranscom.mil/cris/dteb/ic/trans_ics.cfm)

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

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

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

## Section 3.0

# STANDARD IMPLEMENTATION CONVENTION

This section presents the DoD's convention for generating a freight receipt and invoice document using ASC X12 Transaction Set 310 Freight Receipt and Invoice (Ocean) (Version 004010).

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

- [*blank*] - Segment or data element may be used optionally
- M - X12 standards designate mandatory use of segment or data element
- >> - Segment or data element is mandatory for DTEB use
- X - Segment or data element is not used.

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

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# 310 Freight Receipt and Invoice (Ocean)

Functional Group ID=**IO**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Freight Receipt and Invoice (Ocean) Transaction Set (310) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide ocean bill of lading information. It is sent by ocean carriers to interested parties and can be used as the receipt for the shipment; to substitute for a paper bill of lading where the parties have agreed that a paper bill of lading is not necessary; to allow shipper or forwarder to verify bill of lading information before an original is printed and released; for information purposes, i.e., as a bill of lading copy; by the carrier to convey manifest information to a terminal operator; and as an invoice for freight.

## Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	B3	Beginning Segment for Carrier's Invoice	M	1		
	030	B2A	Set Purpose	O	1		
Not Used	040	Y6	Authentication	O	2		
Not Used	050	G3	Compensation Information	O	1		
	060	N9	Reference Identification	O	15		
M	070	V1	Vessel Identification	M	2		
Not Used	080	M0	Letter of Credit Reference	O	1		
Not Used	090	M1	Insurance	O	5		
Not Used	100	C2	Bank ID	O	1		
Not Used	110	C3	Currency	O	1		
Not Used	120	Y2	Container Details	O	10		
						<b>LOOP ID - N1</b>	<b>10</b>
M	130	N1	Name	M	1		
	140	N2	Additional Name Information	O	1		
Must Use	150	N3	Address Information	O	2		
Must Use	160	N4	Geographic Location	O	1		
Not Used	170	G61	Contact	O	3		
						<b>LOOP ID - R4</b>	<b>20</b>
M	180	R4	Port or Terminal	M	1		
Not Used	190	DTM	Date/Time Reference	O	15		
Not Used	199	R2A	Route Information with Preference	O	25		
Not Used	200	R2	Route Information	O	13		
Not Used	210	K1	Remarks	O	12		
Not Used	220	H3	Special Handling Instructions	O	6		
Not Used	230	L5	Description, Marks and Numbers	O	1		
						<b>LOOP ID - C8</b>	<b>20</b>
Not Used	240	C8	Certifications and Clauses	O	1		
Not Used	250	C8C	Certifications Clauses Continuation	O	5		

**Detail:**

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - LX			999	
M	010	LX	Assigned Number	M	1		
			LOOP ID - N7			999	
	020	N7	Equipment Details	O	1		
Not Used	025	QTY	Quantity	O	1		
Not Used	030	V4	Cargo Location Reference	O	1		
Not Used	040	N12	Equipment Environment	O	1		
Not Used	050	M7	Seal Numbers	O	5		
Not Used	060	W09	Equipment and Temperature	O	1		
			LOOP ID - L1			20	
	070	L1	Rate and Charges	O	1		
Not Used	080	C3	Currency	O	1		
Not Used	090	L7	Tariff Reference	O	1		
Not Used	100	X1	Export License	O	1		
Not Used	110	X2	Import License	O	1		
Not Used	120	N9	Reference Identification	O	3		
			LOOP ID - H1			10	
Not Used	130	H1	Hazardous Material	O	1		
Not Used	140	H2	Additional Hazardous Material Description	O	10		
			LOOP ID - L0			120	
Must Use	150	L0	Line Item - Quantity and Weight	O	1		
Must Use	160	L5	Description, Marks and Numbers	O	999		
			LOOP ID - L1			20	
	170	L1	Rate and Charges	O	1		
Not Used	180	C3	Currency	O	1		
Not Used	190	L7	Tariff Reference	O	1		
Not Used	200	X1	Export License	O	1		
Not Used	210	X2	Import License	O	1		
			LOOP ID - C8			20	
Not Used	220	C8	Certifications and Clauses	O	1		
Not Used	221	C8C	Certifications Clauses Continuation	O	5		
			LOOP ID - H1			10	
Not Used	230	H1	Hazardous Material	O	1		
Not Used	240	H2	Additional Hazardous Material Description	O	10		

**Summary:**

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	L3	Total Weight and Charges	M	1		
Not Used	020	PWK	Paperwork	O	25		
			LOOP ID - L1			20	
	030	L1	Rate and Charges	O	1		
Not Used	040	C3	Currency	O	1		
Not Used	050	V9	Event Detail	O	10		
Not Used	055	C8	Certifications and Clauses	O	20		
	060	K1	Remarks	O	999		
Not Used	070	L11	Business Instructions and Reference Number	O	1		
M	080	SE	Transaction Set Trailer	M	1		

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

**Data Element Summary**

Ref.	Data Element	Name	Attributes
M	ST01	143 Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set	
		[1-01] Transaction Set Identifier Code	
		310 Freight Receipt and Invoice (Ocean)	
		[1-01] Freight Receipt and Invoice (Ocean)	
M	ST02	329 Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
		[1-02] 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.)	

**Segment:** **B3** Beginning Segment for Carrier's Invoice  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit basic data relating to the carrier's invoice  
**Syntax Notes:** 1 If either B309 or B310 is present, then the other is required.  
**Semantic Notes:** 1 B306 is the billing date.  
 2 On collect freight bills the data in B309 will be the actual delivery date. For the shipments invoiced prior to delivery, the B309 will be the estimated date of delivery.  
 3 If B314 is used, B304 will indicate the party or parties responsible for payment of the transportation terms identified in B314.

**Comments:**

**Notes:** [2] B3 SEGMENT - Invoice Information

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
B301	147	<b>Shipment Qualifier</b>	O ID 1/1
		Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time	
		[2-01] Shipment Qualifier	
		Usage recommended.	
	2	Sea Waybill	
		A non-negotiable transport document issued by an ocean carrier covering cargo shipped on a vessel owned or chartered by that carrier	
		[2-01] Sea Waybill	
	B	Bill of Lading for Individual Shipment	
		[2-01] Bill of Lading for Individual Shipment	
M	B302	<b>Invoice Number</b>	M AN 1/22
		Identifying number assigned by issuer	
		[2-02] Invoice Number	
		Enter the carrier's bill of lading number.	
	B303	<b>Shipment Identification Number</b>	O AN 1/30
		Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	
		[2-03] Shipment Identification Number	
		Usage recommended.	
M	B304	<b>Shipment Method of Payment</b>	M ID 2/2
		Code identifying payment terms for transportation charges	
		[2-04] Shipment Method of Payment	
	CC	Collect	
		[2-04] Collect	
	PP	Prepaid (by Seller)	
		[2-04] Prepaid (by Seller)	
X	B305	<b>Weight Unit Code</b>	O ID 1/1
		Code specifying the weight unit	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
M	B306	<b>Date</b>	M DT 8/8
		Date expressed as CCYYMMDD	
		[2-06] Date	

M	B307	193	<b>Net Amount Due</b>	M N2 1/12
			Total charges to be paid by the receiver of this transaction set expressed in the standard monetary denomination for the currency specified	
			[2-07] Net Amount Due	
			Net amount due on the invoice.	
X	B308	202	<b>Correction Indicator</b>	O ID 2/2
			Code used to indicate that the transaction set contains information which corrects previous information	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	B309	32	<b>Delivery Date</b>	X DT 8/8
			Date for delivery of cargo to final consignee or to next mode expressed in format CCYYMMDD	
			[2-09] Delivery Date	
	B310	374	<b>Date/Time Qualifier</b>	X ID 3/3
			Code specifying type of date or time, or both date and time	
			[2-10] Date/Time Qualifier	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
M	B311	140	<b>Standard Carrier Alpha Code</b>	M ID 2/4
			Standard Carrier Alpha Code	
			[2-11] Standard Carrier Alpha Code	
			Enter the SCAC of the organization/company issuing the bill of lading and/or the sea waybill.	
			SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	
>>	B312	373	<b>Date</b>	O DT 8/8
			Date expressed as CCYYMMDD	
			[2-12] Date	
			Enter the date the bill of lading or sea waybill was issued.	
	B313	375	<b>Tariff Service Code</b>	O ID 2/2
			Code specifying the types of services for rating purposes	
			[2-13] Tariff Service Code	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	B314	335	<b>Transportation Terms Code</b>	O ID 3/3
			Code identifying the trade terms which apply to the shipment transportation responsibility	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

**Segment:** **B2A** Set Purpose  
**Position:** 030  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To allow for positive identification of transaction set purpose  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** [3] B2A SEGMENT - Set Purpose

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
M	B2A01	<b>353 Transaction Set Purpose Code</b>	<b>M ID 2/2</b>
		Code identifying purpose of transaction set	
		[3-01] Transaction Set Purpose Code	
		00 Original	
		[3-01] Original	
		05 Replace	
		[3-01] Replace	
	B2A02	<b>346 Application Type</b>	<b>O ID 2/2</b>
		Code identifying an application	
		[3-02] Application Type	
		BG Government Bill of Lading	
		[3-02] Government Bill of Lading	
		BL Bill of Lading	
		[3-02] Bill of Lading	
		SI Single Shipment Invoice	
		[3-02] Single Shipment Invoice	
		SP Multiple Shipment Invoice	
		[3-02] Multiple Shipment Invoice	

**Segment:** N9 Reference Identification  
**Position:** 060  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 15  
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier  
**Syntax Notes:**

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

**Comments:**  
**Notes:** [4] N9 SEGMENT - Contract

**Data Element Summary**

Ref.	Data Element	Name	Attributes
M	N901	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		[4-01] Reference Identification Qualifier	
		1J Facility ID Number	
		[4-01] Facility ID Number	
		3X Subcontract Number	
		[4-01] Subcontract Number	
		Use '3X' to denote Contract Number	
		CH Customer catalog number	
		[4-01] Customer catalog number	
		Use 'CH' to denote Commodity Code from Original Booking from IBS	
		CR Customer Reference Number	
		[4-01] Customer Reference Number	
		Use 'CR' to denote Consignee DoDAAC	
		CT Contract Number	
		[4-01] Contract Number	
		Use 'CT' to denote Another Contract Number	
		DO Data Reliability Code	
		[4-01] Data Reliability Code	
		DO Delivery Order Number	
		[4-01] Delivery Order Number	
		Use 'DO' to denote Consignor DoDAAC	
		FI File Identifier	
		[4-01] File Identifier	
		Use 'FI' to denote Port Call File Number (PCFN)	
		TG Transportation Control Number (TCN)	
		[4-01] Transportation Control Number (TCN)	
		Use 'TG' to denote Container TCN. (Do not use for break bulk.)	
>>	N902	127 Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
		[4-02] Reference Identification	
		Usage recommended.	
X	N903	369 Free-form Description	X AN 1/45
		Free-form descriptive text	

X	N904	373	<b>Date</b> Date expressed as CCYYMMDD	O DT 8/8
X	N905	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
X	N906	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
X	N907	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
X	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/3
X	C04002	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
X	C04003	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3
X	C04004	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
X	C04005	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3
X	C04006	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

**Segment:** **V1** Vessel Identification  
**Position:** 070  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 2  
**Purpose:** To provide vessel details and voyage number  
**Syntax Notes:** 1 At least one of V101 or V102 is required.  
2 If V108 is present, then V101 is required.  
**Semantic Notes:** 1 V103 is the code identifying the country in which the ship (vessel) is registered.  
2 V105 identifies the ocean carrier.  
**Comments:**  
**Notes:** [5] V1 SEGMENT - Vessel Identification

**Data Element Summary**

Ref.	Data Element	Name	Attributes
>>	V101	597 Vessel Code	X ID 1/8
		Code identifying vessel	
		[5-01] Vessel Code	
		Enter Lloyd's call sign number.	
		SOURCE: Lloyd's Register of Shipping	
>>	V102	182 Vessel Name	X AN 2/28
		Name of ship as documented in "Lloyd's Register of Ships"	
		[5-02] Vessel Name	
		SOURCE: Lloyd's Register of Shipping	
>>	V103	26 Country Code	O ID 2/3
		Code identifying the country	
		[5-03] Country 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 <a href="http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm">http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm</a> . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	
>>	V104	55 Flight/Voyage Number	O AN 2/10
		Identifying designator for the particular flight or voyage on which the cargo travels	
		[5-04] Flight/Voyage Number	
		Enter ocean carrier VOYDOC number.	
	V105	140 Standard Carrier Alpha Code	O ID 2/4
		Standard Carrier Alpha Code	
		[5-05] Standard Carrier Alpha Code	
		SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	
X	V106	249 Vessel Requirement Code	O ID 1/1
		Code specifying options for satisfying vessel requirements	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	V107	854 Vessel Type Code	O ID 2/2
		Code to determine type of vessel	
		Refer to 004010 Data Element Dictionary for acceptable code values.	

	<b>V108</b>	<b>897</b>	<b>Vessel Code Qualifier</b>	<b>O ID 1/1</b>
			Code specifying vessel code source	
			[5-08] Vessel Code Qualifier	
		C	Ship's Radio Call Signal	
			[5-08] Ship's Radio Call Signal	
		L	Lloyd's Register of Shipping	
			[5-08] Lloyd's Register of Shipping	
<b>X</b>	<b>V109</b>	<b>91</b>	<b>Transportation Method/Type Code</b>	<b>O ID 1/2</b>
			Code specifying the method or type of transportation for the shipment	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

**Segment:** **N1** Name  
**Position:** 130  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
 2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
 2 N105 and N106 further define the type of entity in N101.  
**Notes:** [6] N1 SEGMENT - Entity Identification

**Data Element Summary**

Ref.	Data Element	Name	Attributes
M	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		[6-01] Entity Identifier Code	
		CI Consignor	
		[6-01] Consignor	
		CN Consignee	
		[6-01] Consignee	
		SH Shipper	
		[6-01] Shipper	
>>	N102	93 Name	X AN 1/60
		Free-form name	
		[6-02] Name	
	N103	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		[6-03] Identification Code Qualifier	
		Code designating the system/method of code structure used for Identification Code	
		Usage recommended.	
		1 D-U-N-S Number, Dun & Bradstreet	
		[6-03] D-U-N-S Number, Dun & Bradstreet	
		Use '1' to denote D-U-N-S Number	
		3 Federal Maritime Commission (Ocean) (FMC)	
		[6-03] Federal Maritime Commission (Ocean) (FMC)	
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		[6-03] D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
		Use '9' to denote D-U-N-S+4	
		10 Department of Defense Activity Address Code (DODAAC)	
		[6-03] Department of Defense Activity Address Code (DODAAC)	
		16 ZIP Code	
		[6-03] ZIP Code	

25

Carrier's Customer Code

[6-03] Carrier's Customer Code

Use '25' to denote Carriers Customer Code

	<b>N104</b>	<b>67</b>	<b>Identification Code</b>	<b>X</b>	<b>AN 2/80</b>
			Code identifying a party or other code		
			[6-04] Identification Code		
<b>X</b>	<b>N105</b>	<b>706</b>	<b>Entity Relationship Code</b>	<b>O</b>	<b>ID 2/2</b>
			Code describing entity relationship		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
<b>X</b>	<b>N106</b>	<b>98</b>	<b>Entity Identifier Code</b>	<b>O</b>	<b>ID 2/3</b>
			Code identifying an organizational entity, a physical location, property or an individual		
			Refer to 004010 Data Element Dictionary for acceptable code values.		

**Segment:** N2 Additional Name Information  
**Position:** 140  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify additional names or those longer than 35 characters in length  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** [7] N2 SEGMENT - Additional Entity Identification

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>	<b>Name</b>	
M	N201	93	Name	M AN 1/60
			Free-form name	
			[7-01] Name	
	N202	93	Name	O AN 1/60
			Free-form name	
			[7-02] Name	

**Segment:** N3 Address Information  
**Position:** 150  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** [8] N3 SEGMENT - Entity Address

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>		
	<b>Des.</b>	<b>Element</b>	<b>Name</b>	<b>Attributes</b>
M	N301	166	Address Information	M AN 1/55
			Address information	
			[8-01] Address Information	
	N302	166	Address Information	O AN 1/55
			Address information	
			[8-02] Address information	

**Segment:** N4 Geographic Location  
**Position:** 160  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**Comments:** 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.  
 2 N402 is required only if city name (N401) is in the U.S. or Canada.  
**Notes:** [9] N4 SEGMENT - Entity

#### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name	O AN 2/30
		Free-form text for city name	
		[9-01] City Name	
N402	156	State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
		[9-02] State or Province Code	
		SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	
N403	116	Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
		[9-03] Postal Code	
		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	Country Code	O ID 2/3
		Code identifying the country	
		[9-04] Country 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 <a href="http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm">http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm</a> . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	
N405	309	Location Qualifier	X ID 1/2
		Code identifying type of location	
		[9-05] Location Qualifier	
		SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)	
		10 Nearest Cross Street	
		[9-05] Nearest Cross Street	
		11 Secondary Cross Street	
		[9-05] Secondary Cross Street	
		12 Range	
		Geographic delineations established by public land survey, often six miles on the latitudinal axis	
		[9-05] Range	

13	Section Geographic delineations established by public land survey, often one mile square [9-05] Section
14	Quarter Section Geographic delineations established by public land survey, often 1/2 mile square portion of a "section" [9-05] Quarter Section
18	Marker Identifier Location [9-05] Marker Identifier Location
19	Route [9-05] Route
20	Route Subdivision [9-05] Route Subdivision
21	Grid Location [9-05] Grid Location
22	Page [9-05] Page
27	Marker Type Identifies type of facility [9-05] Marker Type
28	Latitude-Longitude Source [9-05] Latitude-Longitude Source
29	Map Source [9-05] Map Source
30	Map Reference [9-05] Map Reference
31	Grid Source [9-05] Grid Source
32	Aliquot Identifies the subdivided portion of a one square mile legal survey area section [9-05] Aliquot
33	Block [9-05] Block
34	District [9-05] District
35	Drainhole Number [9-05] Drainhole Number
36	City Block [9-05] City Block
38	Footage Call Direction [9-05] Footage Call Direction
39	Location Direction [9-05] Location Direction
40	Outer Continental Lease Location [9-05] Outer Continental Lease Location
41	Lot [9-05] Lot

42	Map Quadrangle
	[9-05] Map Quadrangle
43	Principal Meridian
	A starting point of a rectangular land survey area
	[9-05] Principal Meridian
44	Outer Continental Shelf Area
	[9-05] Outer Continental Shelf Area
45	Outer Continental Shelf Block
	[9-05] Outer Continental Shelf Block
46	Official Protraction Diagram
	[9-05] Official Protraction Diagram
47	Quarter Quarter Quarter Section
	The subdivided description for a usual ten-acre portion of a legal survey area section
	[9-05] Quarter Quarter Quarter Section
48	Quarter Quarter Section
	The subdivided description for a usual forty- acre portion of a legal survey area section
	[9-05] Quarter Quarter Section
49	Section Type
	[9-05] Section Type
50	Abstract
	[9-05] Abstract
52	Labor
	[9-05] Labor
53	League
	[9-05] League
54	Survey
	[9-05] Survey
55	Tier
	[9-05] Tier
57	Tract
	[9-05] Tract
58	Universal Transverse Mercator Quadrant
	A designation of a rectangular survey area used for large scale mapping
	[9-05] Universal Transverse Mercator Quadrant
59	Course Direction
	[9-05] Course Direction
60	Area
	[9-05] Area
93	Sender's Location Code
	[9-05] Sender's Location Code
94	Receiver's Location Code
	[9-05] Receiver's Location Code
A	Jurisdiction to Receive Credit for Uniform Commercial Code Filing
	[9-05] Jurisdiction to Receive Credit for Uniform Commercial Code Filing
A1	Office
	[9-05] Office

AA	Annual Statements Mailing Address [9-05] Annual Statements Mailing Address
AC	City and State [9-05] City and State
AP	All Points Qualifies a code that identifies a geographic area where transportation rates apply [9-05] All Points
AR	Armed Services Location Designation [9-05] Armed Services Location Designation
B	Transmitting Utility [9-05] Transmitting Utility
B1	Branch [9-05] Branch
BE	Business Economic Area (BEA) Region Code [9-05] Business Economic Area (BEA) Region Code
BL	Government Bill of Lading Office Code (GBLOC) Qualifies a code that identifies the location of a government office authorized to process transportation bills of lading [9-05] Government Bill of Lading Office Code (GBLOC)
BS	Place of Business [9-05] Place of Business
C	Consignor [9-05] Consignor
C2	Geopolitical Name Code [9-05] Geopolitical Name Code
CA	Country of Origin [9-05] Country of Origin
CB	Confirmation Mailing Address [9-05] Confirmation Mailing Address
CC	Country [9-05] Country
CD	Canadian Customs Office Code [9-05] Canadian Customs Office Code
CE	Correspondence Mailing Address [9-05] Correspondence Mailing Address
CI	City [9-05] City
CL	National Rate Basis (NRB) [9-05] National Rate Basis (NRB)
CO	County/Parish and State [9-05] County/Parish and State
CR	In Tank Car [9-05] In Tank Car
CS	Canadian SPLC [9-05] Canadian SPLC
CY	County/Parish [9-05] County/Parish
D	Census Schedule D [9-05] Census Schedule D

DC	Distribution Center Number [9-05] Distribution Center Number
DE	Destination (Shipping) [9-05] Destination (Shipping)
DL	Delivery Location [9-05] Delivery Location
DO	District Office [9-05] District Office
DP	Department [9-05] Department
DR	District of Residence [9-05] District of Residence
DT	Domicile Type Code [9-05] Domicile Type Code
E	Uniform Commercial Code Filing Office [9-05] Uniform Commercial Code Filing Office
EA	Event Location [9-05] Event Location
EL	Employer Location A specific work location where an injury occurred [9-05] Employer Location
F	Current Address [9-05] Current Address
FA	Factory [9-05] Factory
FE	Freight Equalization Point [9-05] Freight Equalization Point
FF	Foreign Freight Forwarder Location [9-05] Foreign Freight Forwarder Location
FI	Federal Information Processing Standards (FIPS) 55 (Named Populated Places) [9-05] Federal Information Processing Standards (FIPS) 55 (Named Populated Places)
FR	U.S. Custom's Facilities Information and Resource Management Systems (FIRMS) [9-05] U.S. Custom's Facilities Information and Resource Management Systems (FIRMS)
FS	Freight Station Accounting Code [9-05] Freight Station Accounting Code
FT	Foreign Trade Zone A secured area legally outside a nation's customs territory, usually located in or near customs ports of entry, industrial parks or terminal warehouse facilities; while in a zone, merchandise is not covered by a customs bond or subject to duty or excise tax [9-05] Foreign Trade Zone
FV	Free Alongside Vessel (Free On Board [F.O.B.] Point) [9-05] Free Alongside Vessel (Free On Board [F.O.B.] Point)
GL	Freight Station Geographic Location [9-05] Freight Station Geographic Location
H	Home Address [9-05] Home Address

I	Home Base Address [9-05] Home Base Address
IA	International Air Transport Association (IATA) Location Qualifier [9-05] International Air Transport Association (IATA) Location Qualifier
IB	Issue Location [9-05] Issue Location
IM	Military Standard Movement Procedures (MILSTAMP) [9-05] Military Standard Movement Procedures (MILSTAMP)
IP	Postal [9-05] Postal
IS	In Store [9-05] In Store
IT	Intermediate FOB Point A location indicating the point of destination is not the origin or final destination but rather at some other point [9-05] Intermediate FOB Point
K	Census Schedule K [9-05] Census Schedule K
KE	Port of Embarkation [9-05] Port of Embarkation
KL	Port of Loading [9-05] Port of Loading
KP	Government Furnished Property FOB Point [9-05] Government Furnished Property FOB Point
L	Local Address [9-05] Local Address
LO	Local Office [9-05] Local Office
M	Mailing Address [9-05] Mailing Address
MI	Mill [9-05] Mill
MS	Metropolitan Sampling Area (MSA) Region Code [9-05] Metropolitan Sampling Area (MSA) Region Code
MZ	Mexican Postal Code [9-05] Mexican Postal Code
NS	City/State from Points [9-05] City/State from Points
O	Office Address [9-05] Office Address
OA	Origin (After Loading on Equipment) [9-05] Origin (After Loading on Equipment)
OF	Other Unlisted Free On Board (FOB) Point An FOB Point that cannot be predetermined [9-05] Other Unlisted Free On Board (FOB) Point
OL	Open and Prepay Station List Code(SCAC & Number) [9-05] Open and Prepay Station List Code(SCAC & Number)

OP	Other Unlisted Acceptance Point An acceptance Point that cannot be predetermined [9-05] Other Unlisted Acceptance Point
OR	Origin (Shipping Point) [9-05] Origin (Shipping Point)
OV	On Vessel (Free On Board [FOB] point) [9-05] On Vessel (Free On Board [FOB] point)
P	Permanent Address [9-05] Permanent Address
PA	Port of Arrival Port where shipment enters country [9-05] Port of Arrival
PB	Port of Discharge Port where shipment is unloaded [9-05] Port of Discharge
PC	Policy Mailing Address [9-05] Policy Mailing Address
PD	Place of Delivery [9-05] Place of Delivery
PE	Port of Entry Port where customs is declared [9-05] Port of Entry
PF	Parents Address [9-05] Parents Address
PG	Primary [9-05] Primary
PH	Prior Business [9-05] Prior Business
PL	Plant [9-05] Plant
PO	Principal Servicing Office [9-05] Principal Servicing Office
PP	Pool Point [9-05] Pool Point
PQ	3 Digit U.S. ZIP [9-05] 3 Digit U.S. ZIP
PR	4 Digit U.S. ZIP [9-05] 4 Digit U.S. ZIP
PS	5 Digit U.S. ZIP [9-05] 5 Digit U.S. ZIP
PT	3 Digit Canadian Postal Code [9-05] 3 Digit Canadian Postal Code
PU	6 Digit Canadian Postal Code [9-05] 6 Digit Canadian Postal Code
RA	Rate Area Code Qualifies a code that identifies a geographic area where transportation rates apply [9-05] Rate Area Code

RC	In Rail Car [9-05] In Rail Car
RE	Regional Education Service Agency An educational agency funded by a state or by school districts for the purpose of providing services to multiple schools or school districts [9-05] Regional Education Service Agency
RG	Region Code Qualifies a code that identifies a geographic area where transportation rates apply [9-05] Region Code
RJ	Region [9-05] Region
RL	Rural [9-05] Rural
RS	Standard Carrier Alpha Code [9-05] Standard Carrier Alpha Code
RT	Route Administrative Message To [9-05] Route Administrative Message To
SA	Secondary [9-05] Secondary
SB	Suburban [9-05] Suburban
SC	City/State and Points Within [9-05] City/State and Points Within
SD	School District [9-05] School District
SE	Summer [9-05] Summer
SG	Storage [9-05] Storage
SH	School Campus Code [9-05] School Campus Code
SL	U.S. SPLC [9-05] U.S. SPLC
SN	Store Number [9-05] Store Number
SP	State/Province [9-05] State/Province
SS	School [9-05] School
ST	In Storage Tank [9-05] In Storage Tank
SW	Switching District [9-05] Switching District
TA	Tank [9-05] Tank
TC	Transcontinental Freight Bureau [9-05] Transcontinental Freight Bureau

TL	Terminal Cargo Location [9-05] Terminal Cargo Location
TM	Terminal [9-05] Terminal
TN	Township [9-05] Township
TP	Temporary [9-05] Temporary
TR	Rail Territory [9-05] Rail Territory
TX	Taxing District [9-05] Taxing District
UN	United Nations Location Code (UNLOCODE) [9-05] United Nations Location Code (UNLOCODE)
UR	Urban [9-05] Urban
UT	Business Unit [9-05] Business Unit
VA	Vacation [9-05] Vacation
VI	Village [9-05] Village
VS	Vessel Stowage Location [9-05] Vessel Stowage Location
W	Worldwide Geographic Location Code [9-05] Worldwide Geographic Location Code
WF	Wharf [9-05] Wharf
WH	Warehouse [9-05] Warehouse
WI	Winter [9-05] Winter
ZN	Zone Code Qualifies a code that identifies a geographic area where transportation rates apply [9-05] Zone Code
ZZ	Mutually Defined [9-05] Mutually Defined

**N406      310      Location Identifier      O      AN 1/30**  
Code which identifies a specific location  
[9-06] Location Identifier

**Segment:** **R4** Port or Terminal  
**Position:** 180  
**Loop:** R4 Mandatory  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** Contractual or operational port or point relevant to the movement of the cargo  
**Syntax Notes:** 1 If either R402 or R403 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 R4 is required for each port to be identified.  
**Notes:** [10] R4 SEGMENT - POD

**Data Element Summary**

Ref.	Data Element	Name	Attributes
M	R401	115 Port or Terminal Function Code	M ID 1/1
		Code defining function performed at the port or terminal with respect to a shipment	
		[10-01] Port or Terminal Function Code	
		1 Final Port of Discharge (Operational) Last port at which cargo is unloaded from vessel	
		[10-01] Final Port of Discharge (Operational)	
		D Port of Discharge (Operational) Port at which cargo is unloaded from vessel	
		[10-01] Port of Discharge (Operational)	
		L Port of Loading (Operational) Port at which cargo is loaded on vessel	
		[10-01] Port of Loading (Operational)	
>>	R402	309 Location Qualifier	X ID 1/2
		Code identifying type of location	
		[10-02] Location Qualifier	
		Code value 'D' or 'K' must be used as a minimum. SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)	
		CI City	
		[10-02] City	
		D Census Schedule D	
		[10-02] Census Schedule D	
		IM Military Standard Movement Procedures (MILSTAMP)	
		[10-02] Military Standard Movement Procedures (MILSTAMP)	
		K Census Schedule K	
		[10-02] Census Schedule K	
		L Local Address	
		[10-02] Local Address	
		PS 5 Digit U.S. ZIP	
		[10-02] 5 Digit U.S. ZIP	
	R403	310 Location Identifier	X AN 1/30
		Code which identifies a specific location	
		[10-03] Location Identifier	
		Usage recommended.	

	<b>R404</b>	<b>114</b>	<b>Port Name</b>	<b>O AN 2/24</b>
			Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property	
			[10-04] Port Name	
	<b>R405</b>	<b>26</b>	<b>Country Code</b>	<b>O ID 2/3</b>
			Code identifying the country	
			[10-05] Country 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 <a href="http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm">http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm</a> . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	
<b>X</b>	<b>R406</b>	<b>174</b>	<b>Terminal Name</b>	<b>O AN 2/30</b>
			Free-form field for terminal name	
<b>X</b>	<b>R407</b>	<b>113</b>	<b>Pier Number</b>	<b>O AN 1/4</b>
			Identifying number for the pier	
<b>X</b>	<b>R408</b>	<b>156</b>	<b>State or Province Code</b>	<b>O ID 2/2</b>
			Code (Standard State/Province) as defined by appropriate government agency	

**Segment:** **LX** Assigned Number  
**Position:** 010  
**Loop:** LX Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To reference a line number in a transaction set  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

[11] LX SEGMENT - Detail Loop Use the N7 loop for container level and the L0 loop for commodity level data.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	LX01	554	Assigned Number	M N0 1/6
			Number assigned for differentiation within a transaction set	
			[11-01] Assigned Number	

**Segment:** **N7** Equipment Details  
**Position:** 020  
**Loop:** N7 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify the equipment  
**Syntax Notes:**

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

**Semantic Notes:**

- 1 N712 is the owner of the equipment.
- 2 N723 is the operator or carrier of the rights of the equipment.

**Comments:**

- 1 N701 is mandatory for rail transactions.
- 2 N720 and N721 are expressed in inches.

**Notes:** [12] N7 SEGMENT - Container Use the N7 loop for container level and the L0 loop for commodity level data.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
		<b>206</b>	<b>Equipment Initial</b>	<b>O AN 1/4</b>
			Prefix or alphabetic part of an equipment unit's identifying number	
			[12-01] Equipment Initial	
			Enter the container prefix.	
			SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association	
<b>M</b>	<b>N702</b>	<b>207</b>	<b>Equipment Number</b>	<b>M AN 1/10</b>
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	
			[12-02] Equipment Number	
			Container number with the check digit.	
	<b>N703</b>	<b>81</b>	<b>Weight</b>	<b>X R 1/10</b>
			Numeric value of weight	
			[12-03] Weight	
	<b>N704</b>	<b>187</b>	<b>Weight Qualifier</b>	<b>X ID 1/2</b>
			Code defining the type of weight	
			[12-04] Weight Qualifier	
			G Gross Weight	
			[12-04] Gross Weight	
<b>X</b>	<b>N705</b>	<b>167</b>	<b>Tare Weight</b>	<b>X N0 3/8</b>
			Weight of the equipment	
<b>X</b>	<b>N706</b>	<b>232</b>	<b>Weight Allowance</b>	<b>O N0 2/6</b>
			Allowance made for increased weight due to such factors as snow	
<b>X</b>	<b>N707</b>	<b>205</b>	<b>Dunnage</b>	<b>O N0 1/6</b>
			Weight of material used to protect lading (even bracings, false floors, etc.)	
<b>X</b>	<b>N708</b>	<b>183</b>	<b>Volume</b>	<b>X R 1/8</b>
			Value of volumetric measure	
<b>X</b>	<b>N709</b>	<b>184</b>	<b>Volume Unit Qualifier</b>	<b>X ID 1/1</b>
			Code identifying the volume unit	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	<b>N710</b>	<b>102</b>	<b>Ownership Code</b>	<b>O ID 1/1</b>
			Code indicating the relationship of equipment to carrier or ownership of equipment	
			[12-10] Ownership Code	
			ELEMENT CONDITION: Data element used only for Government-owned equipment.	

	S	Customer Owned or Leased	
		[12-10] Customer Owned or Leased	
		Use 'S' to denote Government Owned Equipment	
<b>N711</b>	<b>40</b>	<b>Equipment Description Code</b>	<b>O ID 2/2</b>
		Code identifying type of equipment used for shipment	
		[12-11] Equipment Description Code	
	20	20 ft. IL Container (Open Top)	
		[12-11] 20 ft. IL Container (Open Top)	
	2B	20 ft. IL Container (Closed Top)	
		[12-11] 20 ft. IL Container (Closed Top)	
	2D	Control Unit	
		[12-11] Control Unit	
	2E	Helper Unit	
		[12-11] Helper Unit	
	2F	Roadrailer	
		[12-11] Roadrailer	
	2G	Cut-in Helper	
		[12-11] Cut-in Helper	
	40	40 ft. IL Container (Open Top)	
		[12-11] 40 ft. IL Container (Open Top)	
	4B	40 ft. IL Container (Closed Top)	
		[12-11] 40 ft. IL Container (Closed Top)	
	AC	Closed Container	
		[12-11] Closed Container	
	AF	Air Freight (Break Bulk)	
		[12-11] Air Freight (Break Bulk)	
	AL	Container, Aluminum	
		Container must be made of aluminum	
		[12-11] Container, Aluminum	
	AP	Aircraft	
		[12-11] Aircraft	
	AT	Closed Container (Controlled Temperature)	
		[12-11] Closed Container (Controlled Temperature)	
	BC	Covered Barge	
		[12-11] Covered Barge	
	BE	Bilevel Railcar Fully Open	
		[12-11] Bilevel Railcar Fully Open	
	BF	Bilevel Railcar Fully Enclosed	
		[12-11] Bilevel Railcar Fully Enclosed	
	BG	Bogie	
		[12-11] Bogie	
	BH	Bilevel Railcar Screened With Roof	
		[12-11] Bilevel Railcar Screened With Roof	
	BJ	Bilevel Railcar Screened, No Roof	
		[12-11] Bilevel Railcar Screened, No Roof	
	BK	Container, Bulk	
		[12-11] Container, Bulk	
	BO	Barge Open	
		[12-11] Barge Open	
	BR	Barge	
		[12-11] Barge	

BX	Boxcar [12-11] Boxcar
CA	Caboose [12-11] Caboose
CB	Chassis, Gooseneck [12-11] Chassis, Gooseneck
CC	Container resting on a Chassis [12-11] Container resting on a Chassis
CD	Container with Bag Hangers Rings or bars located in upper part of container walls to suspend bulk bags within the ocean container [12-11] Container with Bag Hangers
CG	Container, Tank (Gas) [12-11] Container, Tank (Gas)
CH	Chassis [12-11] Chassis
CI	Container, Insulated [12-11] Container, Insulated
CJ	Container, Insulated/Ventilated [12-11] Container, Insulated/Ventilated
CK	Container, Heated/Insulated/Ventilated [12-11] Container, Heated/Insulated/Ventilated
CL	Container (Closed Top - Length Unspecified) [12-11] Container (Closed Top - Length Unspecified)
CM	Container, Open-Sided [12-11] Container, Open-Sided
CN	Container [12-11] Container
CP	Coil Car Open [12-11] Coil Car Open
CQ	Container, Tank (Food Grade-Liquid) [12-11] Container, Tank (Food Grade-Liquid)
CR	Coil-Car Covered [12-11] Coil-Car Covered
CS	Container-Low Side Open Top [12-11] Container-Low Side Open Top
CT	Container-High Side Open Top [12-11] Container-High Side Open Top
CU	Container (Open Top - Length Unspecified) [12-11] Container (Open Top - Length Unspecified)
CV	Closed Van [12-11] Closed Van
CW	Container, Tank (Chemicals) [12-11] Container, Tank (Chemicals)
CX	Container, Tank [12-11] Container, Tank
CZ	Refrigerated Container [12-11] Refrigerated Container
DD	Double-Drop Trailer A flatbed with two drop decks [12-11] Double-Drop Trailer

DF	Container with Flush Doors Container doors must be flush with the inside walls of the ocean-type containers [12-11] Container with Flush Doors
DT	Drop Back Trailer [12-11] Drop Back Trailer
DX	Boxcar, Damage Free Equipped [12-11] Boxcar, Damage Free Equipped
ET	End of Train Device [12-11] End of Train Device
FF	Frozen Food Trailer [12-11] Frozen Food Trailer
FH	Flat Bed Trailer with Headboards [12-11] Flat Bed Trailer with Headboards
FN	Flat Bed Trailer with No Headboards [12-11] Flat Bed Trailer with No Headboards
FP	Flatcar With Pedestal [12-11] Flatcar With Pedestal
FR	Flat Bed Trailer - Removable Sides [12-11] Flat Bed Trailer - Removable Sides
FS	Container with Floor Securing Rings Appliances at floor level that can be used to secure cargo [12-11] Container with Floor Securing Rings
FT	Flat Bed Trailer [12-11] Flat Bed Trailer
FX	Boxcar Cushion Under Frame OF [12-11] Boxcar Cushion Under Frame OF
GS	Generator Set [12-11] Generator Set
HB	Container with Hangar Bars Container must be equipped with hangar beams/bars for garment shipments [12-11] Container with Hangar Bars
HC	Hopper Car (Covered) [12-11] Hopper Car (Covered)
HO	Hopper Car (Open) [12-11] Hopper Car (Open)
HP	Hopper Car (Covered; Pneumatic Discharge) [12-11] Hopper Car (Covered; Pneumatic Discharge)
HT	Head of Train Device [12-11] Head of Train Device
HV	High Cube Van [12-11] High Cube Van
HY	Hydrant-Cart Used at large airports with installed distribution systems to make into-plane deliveries; distinguished from other types of fueling vehicles [12-11] Hydrant-Cart
ID	Idler Car [12-11] Idler Car
IX	Boxcar (Insulated) [12-11] Boxcar (Insulated)

LO	Locomotive [12-11] Locomotive
LS	Half Height Flat Rack [12-11] Half Height Flat Rack
LU	Load/unload Device on Equipment [12-11] Load/unload Device on Equipment
NX	Boxcar (Interior Bulkheads) [12-11] Boxcar (Interior Bulkheads)
OB	Ocean Vessel (Break Bulk) [12-11] Ocean Vessel (Break Bulk)
OT	Open-top/flatbed trailer [12-11] Open-top/flatbed trailer
OV	Open Top Van [12-11] Open Top Van
PL	Container, Platform [12-11] Container, Platform
PP	Power Pack A container holding a motor, generator, and fuel tank; used to provide power for refrigerated containers on a double stack train [12-11] Power Pack
PT	Protected Trailer [12-11] Protected Trailer
PU	Pick-up Truck [12-11] Pick-up Truck
RA	Fixed-Rack, Flat-Bed Trailer A flatbed trailer with an A-frame [12-11] Fixed-Rack, Flat-Bed Trailer
RC	Refrigerated (Reefer) Car [12-11] Refrigerated (Reefer) Car
RD	Fixed-Rack, Double Drop Trailer A double-drop, flatbed with an A-frame [12-11] Fixed-Rack, Double Drop Trailer
RE	Flat Car (End Bulkheads) [12-11] Flat Car (End Bulkheads)
RF	Flat Car [12-11] Flat Car
RG	Gondola Covered [12-11] Gondola Covered
RI	Gondola Car (Covered - Interior Bulkheads) [12-11] Gondola Car (Covered - Interior Bulkheads)
RO	Gondola Car (Open) [12-11] Gondola Car (Open)
RR	Rail Car [12-11] Rail Car
RS	Fixed-Rack, Single-Drop Trailer A single-drop, flatbed with an A-frame [12-11] Fixed-Rack, Single-Drop Trailer
RT	Controlled Temperature Trailer (Reefer) [12-11] Controlled Temperature Trailer (Reefer)

SA	Saddle Device to stack containers on a rail car [12-11] Saddle
SC	Service Car [12-11] Service Car
SD	Single-Drop Trailer A flatbed trailer with one drop deck [12-11] Single-Drop Trailer
SK	Stack Car [12-11] Stack Car
SL	Container, Steel Container must be made of steel [12-11] Container, Steel
SR	STAK-RAK A device upon which empty chassis may be stacked for movement "en bloc" on a railcar, stack train, trailer, or water-borne vessel [12-11] STAK-RAK
SS	Container with Smooth Sides Walls in ocean container must be flat/smooth [12-11] Container with Smooth Sides
ST	Removable Side Trailer [12-11] Removable Side Trailer
SV	Van - Special Inside Length, Width or Height Requirements [12-11] Van - Special Inside Length, Width or Height Requirements
TA	Trailer, Heated/Insulated/Ventilated [12-11] Trailer, Heated/Insulated/Ventilated
TB	Trailer, Boat [12-11] Trailer, Boat
TC	Trailer, Car [12-11] Trailer, Car
TF	Trailer, Dry Freight [12-11] Trailer, Dry Freight
TG	Trailer, Tank (Gas) [12-11] Trailer, Tank (Gas)
TH	Truck, Open Top High Side [12-11] Truck, Open Top High Side
TI	Trailer, Insulated [12-11] Trailer, Insulated
TJ	Trailer, Tank (Chemicals) [12-11] Trailer, Tank (Chemicals)
TK	Trailer, Tank (Food Grade-Liquid) [12-11] Trailer, Tank (Food Grade-Liquid)
TL	Trailer (not otherwise specified) [12-11] Trailer (not otherwise specified)
TM	Trailer, Insulated/Ventilated [12-11] Trailer, Insulated/Ventilated

TN	Tank Car [12-11] Tank Car
TO	Truck, Open Top [12-11] Truck, Open Top
TP	Trailer, Pneumatic A specialized trailer with a pneumatic device for loading or unloading [12-11] Trailer, Pneumatic
TQ	Trailer, Electric Heat A trailer with electric heat to keep product from freezing [12-11] Trailer, Electric Heat
TR	Tractor [12-11] Tractor
TT	Telescoping Trailer [12-11] Telescoping Trailer
TU	Truck, Open Top Low Side [12-11] Truck, Open Top Low Side
TV	Truck, Van [12-11] Truck, Van
TW	Trailer, Refrigerated A refrigerated trailer capable of keeping product cold. Different from a temperature controlled trailer which is able to keep product at a constant temperature [12-11] Trailer, Refrigerated
UA	Trilevel Railcar 20 Feet [12-11] Trilevel Railcar 20 Feet
UB	Trilevel Railcar Screened, Fully Enclosed [12-11] Trilevel Railcar Screened, Fully Enclosed
UC	Trilevel Railcar Screened, With Roof [12-11] Trilevel Railcar Screened, With Roof
UD	Trilevel Railcar Screened, No Roof [12-11] Trilevel Railcar Screened, No Roof
UE	Trilevel Railcar Screened, With Doors, No Roof [12-11] Trilevel Railcar Screened, With Doors, No Roof
UL	Unit Load Device (ULD) [12-11] Unit Load Device (ULD)
UP	Container, Upgraded Container must be upgraded for higher weights [12-11] Container, Upgraded
VA	Container, Vented Dry container must have vent openings for air exchange [12-11] Container, Vented
VE	Vessel, Ocean [12-11] Vessel, Ocean
VL	Vessel, Lake [12-11] Vessel, Lake
VR	Vessel, Ocean, Rollon-Rolloff [12-11] Vessel, Ocean, Rollon-Rolloff
VS	Vessel, Ocean, Lash [12-11] Vessel, Ocean, Lash

			VT	Vessel, Ocean, Containership [12-11] Vessel, Ocean, Containership		
			WR	Container with Wavy or Ripple Sides Walls must be wavy or ripple type [12-11] Container with Wavy or Ripple Sides		
			WY	Railroad Maintenance of Way Car [12-11] Railroad Maintenance of Way Car		
X	N712	140	<b>Standard Carrier Alpha Code</b>		O	ID 2/4
				Standard Carrier Alpha Code		
X	N713	319	<b>Temperature Control</b>		O	AN 3/6
				Free-form abbreviation of temperature range or flash-point temperature		
X	N714	219	<b>Position</b>		O	AN 1/3
				Relative position of shipment in car, trailer, or container (mutually defined)		
	N715	567	<b>Equipment Length</b>		O	N0 4/5
				Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11) [12-15] Equipment Length		
X	N716	571	<b>Tare Qualifier Code</b>		X	ID 1/1
				Code identifying the type of tare Refer to 004010 Data Element Dictionary for acceptable code values.		
	N717	188	<b>Weight Unit Code</b>		O	ID 1/1
				Code specifying the weight unit [12-17] Weight Unit Code		
			E	Metric Ton [12-17] Metric Ton		
			G	Grams [12-17] Grams		
			K	Kilograms [12-17] Kilograms		
			L	Pounds [12-17] Pounds		
			M	Measurement Ton [12-17] Measurement Ton		
			O	Ounces [12-17] Ounces		
			S	Short Ton [12-17] Short Ton		
			T	Long Ton [12-17] Long Ton		
X	N718	761	<b>Equipment Number Check Digit</b>		O	N0 1/1
				Number which designates the check digit applied to a piece of equipment		
	N719	56	<b>Type of Service Code</b>		O	ID 2/2
				Code specifying extent of transportation service requested [12-19] Type of Service Code		
			AI	Transport Mode Change [12-19] Transport Mode Change		
			BB	Breakbulk [12-19] Breakbulk		
			CS	Container Station [12-19] Container Station		

CY	Container Yard
	[12-19] Container Yard
DD	Door to Door
	[12-19] Door to Door
DR	Door to Ramp
	[12-19] Door to Ramp
HA	Haulage
	Contractual arrangement between carriers to provide service
	[12-19] Haulage
HH	House-to-house
	[12-19] House-to-house
HL	Headload or Devanning
	[12-19] Headload or Devanning
HP	House-to-pier
	[12-19] House-to-pier
MC	Multi-country Consolidation
	[12-19] Multi-country Consolidation
MD	Mixed Delivery
	[12-19] Mixed Delivery
NC	Non-containerized cargo
	[12-19] Non-containerized cargo
PH	Pier-to-house
	[12-19] Pier-to-house
PP	Pier-to-pier
	[12-19] Pier-to-pier
RD	Ramp to Door
	[12-19] Ramp to Door
RE	Ramp to Ramp
	[12-19] Ramp to Ramp
RR	Roll-on Roll-off
	[12-19] Roll-on Roll-off

<b>X</b>	<b>N720</b>	<b>65</b>	<b>Height</b>	<b>O R 1/8</b>
			Vertical dimension of an object measured when the object is in the upright position	
<b>X</b>	<b>N721</b>	<b>189</b>	<b>Width</b>	<b>O R 1/8</b>
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position	
	<b>N722</b>	<b>24</b>	<b>Equipment Type</b>	<b>O ID 4/4</b>
			Code identifying equipment type	
			[12-22] Equipment Type	
			Enter four-digit equipment type designator. The source for these codes is the Identification Marking Code For Freight Containers (ISO 6346-1995).	
			SOURCE: Identification Marking Code for Freight Containers (ISO 6346-1995) available from American National Standards Institute	
<b>X</b>	<b>N723</b>	<b>140</b>	<b>Standard Carrier Alpha Code</b>	<b>O ID 2/4</b>
			Standard Carrier Alpha Code	
<b>X</b>	<b>N724</b>	<b>301</b>	<b>Car Type Code</b>	<b>O ID 1/4</b>
			Code specifying type of rail car or intermodal equipment type and its general characteristics	

**Segment:** **L1 Rate and Charges**

**Position:** 070

**Loop:** L1 Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

**Syntax Notes:** 1 If either L102 or L103 is present, then the other is required.

2 At least one of L104 L105 or L106 is required.

3 If either L114 or L115 is present, then the other is required.

4 If either L117 or L118 is present, then the other is required.

**Semantic Notes:** 1 L119 is the percent used to determine the charge in L104.

2 L120, if used, indicates the currency for all monetary amounts in this L1 segment.

3 L121 is the origin rated as charge amount.

**Comments:**

**Notes:** [13] L1 SEGMENT - Line Item

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
L101	213	<b>Lading Line Item Number</b> Sequential line number for a lading item [13-01] Lading Line Item Number	O N0 1/3
>>	L102	<b>60 Freight Rate</b> Rate that applies to the specific commodity [13-02] Freight Rate Enter the rate for the service provided in DE L108.	X R 1/9
>>	L103	<b>122 Rate/Value Qualifier</b> Code qualifying how to extend charges or interpret value [13-03] Rate/Value Qualifier	X ID 2/2
		AA Percent Of Amount Advanced [13-03] Percent Of Amount Advanced	
		AB Accelerated [13-03] Accelerated	
		AC Percent Of Amount Of Collection [13-03] Percent Of Amount Of Collection	
		AD Addition [13-03] Addition	
		AE Percent of Outstanding Principal Balance [13-03] Percent of Outstanding Principal Balance	
		AF Percent of Original Principal Balance [13-03] Percent of Original Principal Balance	
		AV Ad Valorum (Per Cent of Value) [13-03] Ad Valorum (Per Cent of Value)	
		B0 Per Board Feet [13-03] Per Board Feet	
		B1 Per 100 Board Feet [13-03] Per 100 Board Feet	
		BF Per 1,000 Board Feet [13-03] Per 1,000 Board Feet	
		BL Bill of Lading Declared Value [13-03] Bill of Lading Declared Value	

BR	Per Barrel [13-03] Per Barrel
C5	Per 50 Cubic Feet [13-03] Per 50 Cubic Feet
CE	Ceiling [13-03] Ceiling
CF	Per 40 Cubic Feet (Measurement Ton) [13-03] Per 40 Cubic Feet (Measurement Ton)
CM	Per Cubic Meter [13-03] Per Cubic Meter
CO	Cost per Unit [13-03] Cost per Unit
CP	Computer Units [13-03] Computer Units
CS	Per Special Charge [13-03] Per Special Charge
CT	Charge or Credit Based on Percentage of Total [13-03] Charge or Credit Based on Percentage of Total
CW	Per Hundred Weight Describes a transportation rate that applies to every one hundred pounds of total weight of an individual shipment [13-03] Per Hundred Weight
DD	Department of Defense Unique Codes [13-03] Department of Defense Unique Codes
DE	Decrease [13-03] Decrease
DI	Divisor [13-03] Divisor
DP	Per \$1000 [13-03] Per \$1000
DR	Per Dromedary Service Shipment [13-03] Per Dromedary Service Shipment
DS	Per Hundredweight Per Mile Per Dromedary Service Shipment [13-03] Per Hundredweight Per Mile Per Dromedary Service Shipment
DV	Per Day Per Vehicle [13-03] Per Day Per Vehicle
EI	Ex Parte Increase [13-03] Ex Parte Increase
ER	Per Each Request [13-03] Per Each Request
FA	Floor [13-03] Floor
FB	Full [13-03] Full
FC	Flat Charge [13-03] Flat Charge
FF	Percent Of Tariff Rate [13-03] Percent Of Tariff Rate

FI	First
	[13-03] First
FL	Per Flat Bed
	[13-03] Per Flat Bed
FN	Per Two Weeks
	[13-03] Per Two Weeks
FR	Flat Rate
	[13-03] Flat Rate
FT	Per Foot
	[13-03] Per Foot
FV	Loaded to Full Visible Capacity
	[13-03] Loaded to Full Visible Capacity
GT	Per Gross Ton
	[13-03] Per Gross Ton
HD	Per Hundredweight Per Dromedary Service Shipment
	[13-03] Per Hundredweight Per Dromedary Service Shipment
HM	Rate Per Hundred Weight Per Mile
	[13-03] Rate Per Hundred Weight Per Mile
HN	Per Half Month
	[13-03] Per Half Month
HX	Hundredweight Per Day
	[13-03] Hundredweight Per Day
HY	Per Half Year
	[13-03] Per Half Year
IA	Increase
	[13-03] Increase
IM	Intermodal Unit
	[13-03] Intermodal Unit
IN	Per Inch
	[13-03] Per Inch
KG	Per Kilograms
	[13-03] Per Kilograms
KL	Per Kiloliter
	[13-03] Per Kiloliter
KP	Per Kilometer
	[13-03] Per Kilometer
KT	Per Kilotons
	[13-03] Per Kilotons
LA	Per Pound Per Article
	[13-03] Per Pound Per Article
LB	Per Pound
	[13-03] Per Pound
LF	Per Loaded 436L Pallet
	[13-03] Per Loaded 436L Pallet
LI	Liability per Pound per Piece
	[13-03] Liability per Pound per Piece
LL	Life of Loan
	[13-03] Life of Loan
LP	Per Label
	[13-03] Per Label

LR	Per Litre [13-03] Per Litre
LS	Lump Sum [13-03] Lump Sum
LT	Per Long Ton [13-03] Per Long Ton
LV	Per Pound Per Vehicle [13-03] Per Pound Per Vehicle
MA	Minimum per Service [13-03] Minimum per Service
MB	Per Mile per Service Describes a rate that applies to the distance over which a service is performed [13-03] Per Mile per Service
MC	Minimum Per Car [13-03] Minimum Per Car
MD	Per Man Per Day [13-03] Per Man Per Day
ME	Multiple Equipment [13-03] Multiple Equipment
MF	Maximum [13-03] Maximum
MG	Miles Per Week Per Driver [13-03] Miles Per Week Per Driver
MH	Per Man Per Hour [13-03] Per Man Per Hour
MI	Negative Charge [13-03] Negative Charge
MM	Per Metric Ton (Tonne) [13-03] Per Metric Ton (Tonne)
MN	Minimum [13-03] Minimum
MO	Per Month [13-03] Per Month
MP	Maximum Per Shipment [13-03] Maximum Per Shipment
MR	Per Mile Per Vehicle Used Per Round Trip [13-03] Per Mile Per Vehicle Used Per Round Trip
MS	Minimum Per Shipment [13-03] Minimum Per Shipment
MT	Per Permit [13-03] Per Permit
MU	Multiplier [13-03] Multiplier
MV	Per Mile Per Vehicle (Rail Car) Moved [13-03] Per Mile Per Vehicle (Rail Car) Moved
MW	Minimum Per Vehicle [13-03] Minimum Per Vehicle
MX	Mixed Shipment Rule [13-03] Mixed Shipment Rule

NA	Negative
	[13-03] Negative
NB	Nonamortizing
	[13-03] Nonamortizing
ND	Minimum Per Driver
	[13-03] Minimum Per Driver
NE	Net Package Charge
	[13-03] Net Package Charge
NM	Per Mile Per Person
	[13-03] Per Mile Per Person
NP	Minimum Per Day Per Person
	[13-03] Minimum Per Day Per Person
NV	Minimum Per Day Per Vehicle
	[13-03] Minimum Per Day Per Vehicle
OP	Optional Value
	[13-03] Optional Value
OS	Per Season
	[13-03] Per Season
OT	One-Time Charge
	[13-03] One-Time Charge
P0	Per Year per Square Foot
	[13-03] Per Year per Square Foot
P1	Per Advancement
	[13-03] Per Advancement
P8	Potential
	[13-03] Potential
P9	Partial
	[13-03] Partial
PA	Per Container
	[13-03] Per Container
PB	Per Barge
	[13-03] Per Barge
PC	Per Car
	[13-03] Per Car
PD	Per Day
	[13-03] Per Day
PE	Per 20 Foot Equivalent (TEU)
	[13-03] Per 20 Foot Equivalent (TEU)
PF	Per Cubic Foot
	[13-03] Per Cubic Foot
PG	Per Gallon
	[13-03] Per Gallon
PH	Per Hundred (of Basic Unit)
	[13-03] Per Hundred (of Basic Unit)
PI	Hourly Rate Per Vehicle
	[13-03] Hourly Rate Per Vehicle
PJ	Projected
	[13-03] Projected

PK	Per Cord [13-03] Per Cord
PL	Per Load [13-03] Per Load
PM	Per Mile [13-03] Per Mile
PN	Per Night [13-03] Per Night
PO	Positive [13-03] Positive
PP	Per Piece [13-03] Per Piece
PQ	Per Period [13-03] Per Period
PR	Per Hour [13-03] Per Hour
PS	Per Shipment [13-03] Per Shipment
PT	Per Net Ton [13-03] Per Net Ton
PU	Per Unit [13-03] Per Unit
PV	Per Vehicle [13-03] Per Vehicle
PW	Percentage of Charges [13-03] Percentage of Charges
PX	Payment [13-03] Payment
PY	Per Gallon Per Mile Describes a transportation rate that applies to every gallon for every mile the individual shipment is moved [13-03] Per Gallon Per Mile
PZ	Per Package Charge [13-03] Per Package Charge
QY	Per Quarter Year [13-03] Per Quarter Year
RA	Rate per Thousand [13-03] Rate per Thousand
RB	Rate per Hundred [13-03] Rate per Hundred
RC	Rate [13-03] Rate
RL	Per Relocation [13-03] Per Relocation
RP	Percent Of Rate [13-03] Percent Of Rate
RT	Per Vehicle Used Per Round Trip [13-03] Per Vehicle Used Per Round Trip

S0	Per 1000 Square Feet [13-03] Per 1000 Square Feet
S1	Per 100 Square Feet [13-03] Per 100 Square Feet
SA	Subtraction [13-03] Subtraction
SB	Subsequent [13-03] Subsequent
SC	Per Stencil [13-03] Per Stencil
SD	Shipper's Export Declaration Value [13-03] Shipper's Export Declaration Value
SE	Second [13-03] Second
SF	Per Square Feet [13-03] Per Square Feet
SG	Stated [13-03] Stated
SH	Scheduled [13-03] Scheduled
SP	Per Stop [13-03] Per Stop
ST	Per Short Ton [13-03] Per Short Ton
SU	Per Stack Car Unit [13-03] Per Stack Car Unit
SY	Square Yard [13-03] Square Yard
TB	Per 2 Trailers Same Day [13-03] Per 2 Trailers Same Day
TC	Per 3 Trailers Same Day [13-03] Per 3 Trailers Same Day
TD	Per 4 Trailers Same Day [13-03] Per 4 Trailers Same Day
TN	Per Train Rate [13-03] Per Train Rate
TP	Per Tag [13-03] Per Tag
TR	Per Trailer (Per Train) [13-03] Per Trailer (Per Train)
VA	Per Vehicle Moved Describes a transportation rate that applies to every vehicle conveyed in an individual shipment [13-03] Per Vehicle Moved
VH	Per Vehicle Used Describes a transportation rate that applies to each vehicle used for the movement of an individual shipment [13-03] Per Vehicle Used
VM	Volume [13-03] Volume

VP	Maximum Per Vehicle
	[13-03] Maximum Per Vehicle
VR	Per Rail Car Used
	Describes a transportation rate that applies to each rail car used for the movement of an individual shipment
	[13-03] Per Rail Car Used
VS	Various
	[13-03] Various
VT	Per Mile per Vehicle
	Describes a rate that applies to the distance a conveying vehicle is used
	[13-03] Per Mile per Vehicle
VU	Per Mile Per Vehicle (Rail Car) Used
	[13-03] Per Mile Per Vehicle (Rail Car) Used
VV	Per Vehicle per State
	Describes a rate that applies to the number of security vehicles per state needed to surveil a shipment
	[13-03] Per Vehicle per State
WK	Per Week
	[13-03] Per Week
WM	Weight or Measurement
	[13-03] Weight or Measurement
XP	Maximum Per Person
	[13-03] Maximum Per Person
YR	Per Year
	[13-03] Per Year

>>	<b>L104</b>	<b>58</b>	<b>Charge</b>	<b>X</b>	<b>N2 1/12</b>
			For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified		
			[13-04] Charge		
	<b>L105</b>	<b>191</b>	<b>Advances</b>	<b>X</b>	<b>N2 1/9</b>
			Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified		
			[13-05] Advances		
	<b>L106</b>	<b>117</b>	<b>Prepaid Amount</b>	<b>X</b>	<b>N2 1/9</b>
			Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified		
			[13-06] Prepaid Amount		
<b>X</b>	<b>L107</b>	<b>120</b>	<b>Rate Combination Point Code</b>	<b>O</b>	<b>AN 3/9</b>
			The code denoting the connecting station for a joint rate obtained by combining two or more published rates which are used for the calculation of transportation charges		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	<b>L108</b>	<b>150</b>	<b>Special Charge or Allowance Code</b>	<b>O</b>	<b>ID 3/3</b>
			Code identifying type of special charge or allowance		
			[13-08] Special Charge or Allowance Code		
		295	Discount - Special		
			[13-08] Discount - Special		
		420	Hazardous Materials Handling Fee - Domestic		
			[13-08] Hazardous Materials Handling Fee - Domestic		

AAS	Attendants Accompanying Rail charge for government or contractor personnel accompanying freight shipments on freight trains [13-08] Attendants Accompanying
COP	Port Changes [13-08] Port Changes
CTL	Controlled Atmosphere [13-08] Controlled Atmosphere
DFD	Keep from Freezing Percent Differential [13-08] Keep from Freezing Percent Differential
EXL	Extra Length [13-08] Extra Length
FCS	Furnishing Chassis Rail charge when chassis are furnished by carrier to effect pickup or delivery of containers in Container on Flat Car (COFC) service [13-08] Furnishing Chassis
GMS	Garment Surcharge [13-08] Garment Surcharge
HZD	Hazardous Cargo on Deck [13-08] Hazardous Cargo on Deck
MAE	Monthly Rental [13-08] Monthly Rental
MAT	Modified Atmosphere [13-08] Modified Atmosphere
PTS	Protective Tarp for Security Purposes Motor charge when shipments containing classified material are tarped by the carrier for security purposes [13-08] Protective Tarp for Security Purposes
RSP	Reshipment The additional service charge or order for a transportation carrier to prepare a household goods shipment for onward movement when the shipment is diverted to a new destination location [13-08] Reshipment
SSC	Stripping, Sorting, and Consolidation [13-08] Stripping, Sorting, and Consolidation
STQ	Stopoff at Origination [13-08] Stopoff at Origination
VVP	Vehicle Prep Charge (courtesy delivery) [13-08] Vehicle Prep Charge (courtesy delivery)

**L109      121      Rate Class Code      O      ID 1/3**

Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k

[13-09] Rate Class Code	
A	Alternate Rating [13-09] Alternate Rating
BHR	Backhaul Rate [13-09] Backhaul Rate
C	Specific Commodity Rate [13-09] Specific Commodity Rate

CTR	Contract Rate [13-09] Contract Rate
DMA	Demurrage Period 1 [13-09] Demurrage Period 1
DMB	Demurrage Period 2 [13-09] Demurrage Period 2
DMC	Demurrage Period 3 [13-09] Demurrage Period 3
E	Weight in Excess of Pivot Weight and Applicable Rate [13-09] Weight in Excess of Pivot Weight and Applicable Rate
ECR	Econo Rate [13-09] Econo Rate
F	Overflow [13-09] Overflow
H	Charter [13-09] Charter
I	Class Not Identifiable [13-09] Class Not Identifiable
L	Class Rate [13-09] Class Rate
M	Minimum [13-09] Minimum
N	Normal Under 45 KG Rate [13-09] Normal Under 45 KG Rate
O	Column Commodity Rate [13-09] Column Commodity Rate
Q	Quantity 45 KG Over Rate [13-09] Quantity 45 KG Over Rate
QUO	Quoted Rate [13-09] Quoted Rate
R	Class Rate (Less than Normal Rate) [13-09] Class Rate (Less than Normal Rate)
S	Class Rate (More than Normal Rate) [13-09] Class Rate (More than Normal Rate)
T	Sender Rate [13-09] Sender Rate
U	Pivot Weight and Applicable Pivot Weight Charge [13-09] Pivot Weight and Applicable Pivot Weight Charge
V	Excess Rate [13-09] Excess Rate
X	IATA Container or Unit Load Device (ULD) [13-09] IATA Container or Unit Load Device (ULD)
Y	Exception Rating [13-09] Exception Rating

**L110**      **39**      **Entitlement Code**      **O**      **ID 1/1**

Code identifying entitlement party

[13-10] Entitlement Code

A	Agent [13-10] Agent
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		B	Broker	
			[13-10] Broker	
		C	Consignee	
			[13-10] Consignee	
		D	Destination Carrier	
			[13-10] Destination Carrier	
		E	Forwarder or Agent	
			[13-10] Forwarder or Agent	
		I	Issuing Carrier	
			[13-10] Issuing Carrier	
		S	Shipper	
			[13-10] Shipper	
		Z	Mutually Defined	
			[13-10] Mutually Defined	
<b>L111</b>	<b>16</b>	<b>Charge Method of Payment</b>		<b>O ID 1/1</b>
		Code defining method of payment		
		[13-11] Charge Method of Payment		
		A	Prepaid Cash	
			[13-11] Prepaid Cash	
		B	Prepaid Credit	
			[13-11] Prepaid Credit	
		C	Collect Cash	
			[13-11] Collect Cash	
		D	Collect Credit	
			[13-11] Collect Credit	
		E	Collect	
			[13-11] Collect	
		P	Prepaid	
			[13-11] Prepaid	
<b>L112</b>	<b>276</b>	<b>Special Charge Description</b>		<b>O AN 2/25</b>
		Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150		
		[13-12] Special Charge Description		
<b>L113</b>	<b>257</b>	<b>Tariff Application Code</b>		<b>O ID 1/1</b>
		Code indicating to which traffic a tariff applies		
		[13-13] Tariff Application Code		
		A	Intrastate - Intraplant	
			[13-13] Intrastate - Intraplant	
		B	Interstate - Intraplant	
			[13-13] Interstate - Intraplant	
		C	Commingled	
			[13-13] Commingled	
		D	Reciprocal	
			[13-13] Reciprocal	
		E	Intraterminal	
			[13-13] Intraterminal	
		F	Interterminal	
			[13-13] Interterminal	

		I	International	
			[13-13] International	
		N	Interstate	
			[13-13] Interstate	
		R	Regional	
			[13-13] Regional	
		S	Intrastate	
			[13-13] Intrastate	
<b>L114</b>	<b>74</b>	<b>Declared Value</b>		<b>X N2 2/12</b>
		Monetary assigned value expressed in the standard monetary denomination for the currency specified		
			[13-14] Declared Value	
<b>L115</b>	<b>122</b>	<b>Rate/Value Qualifier</b>		<b>X ID 2/2</b>
		Code qualifying how to extend charges or interpret value		
			[13-15] Rate/Value Qualifier	
		AA	Percent Of Amount Advanced	
			[13-15] Percent Of Amount Advanced	
		AB	Accelerated	
			[13-15] Accelerated	
		AC	Percent Of Amount Of Collection	
			[13-15] Percent Of Amount Of Collection	
		AD	Addition	
			[13-15] Addition	
		AE	Percent of Outstanding Principal Balance	
			[13-15] Percent of Outstanding Principal Balance	
		AF	Percent of Original Principal Balance	
			[13-15] Percent of Original Principal Balance	
		AV	Ad Valorum (Per Cent of Value)	
			[13-15] Ad Valorum (Per Cent of Value)	
		B0	Per Board Feet	
			[13-15] Per Board Feet	
		B1	Per 100 Board Feet	
			[13-15] Per 100 Board Feet	
		BF	Per 1,000 Board Feet	
			[13-15] Per 1,000 Board Feet	
		BL	Bill of Lading Declared Value	
			[13-15] Bill of Lading Declared Value	
		BR	Per Barrel	
			[13-15] Per Barrel	
		C5	Per 50 Cubic Feet	
			[13-15] Per 50 Cubic Feet	
		CE	Ceiling	
			[13-15] Ceiling	
		CF	Per 40 Cubic Feet (Measurement Ton)	
			[13-15] Per 40 Cubic Feet (Measurement Ton)	
		CM	Per Cubic Meter	
			[13-15] Per Cubic Meter	
		CO	Cost per Unit	
			[13-15] Cost per Unit	

CP	Computer Units [13-15] Computer Units
CS	Per Special Charge [13-15] Per Special Charge
CT	Charge or Credit Based on Percentage of Total [13-15] Charge or Credit Based on Percentage of Total
CW	Per Hundred Weight Describes a transportation rate that applies to every one hundred pounds of total weight of an individual shipment [13-15] Per Hundred Weight
DD	Department of Defense Unique Codes [13-15] Department of Defense Unique Codes
DE	Decrease [13-15] Decrease
DI	Divisor [13-15] Divisor
DP	Per \$1000 [13-15] Per \$1000
DR	Per Dromedary Service Shipment [13-15] Per Dromedary Service Shipment
DS	Per Hundredweight Per Mile Per Dromedary Service Shipment [13-15] Per Hundredweight Per Mile Per Dromedary Service Shipment
DV	Per Day Per Vehicle [13-15] Per Day Per Vehicle
EI	Ex Parte Increase [13-15] Ex Parte Increase
ER	Per Each Request [13-15] Per Each Request
FA	Floor [13-15] Floor
FB	Full [13-15] Full
FC	Flat Charge [13-15] Flat Charge
FF	Percent Of Tariff Rate [13-15] Percent Of Tariff Rate
FI	First [13-15] First
FL	Per Flat Bed [13-15] Per Flat Bed
FN	Per Two Weeks [13-15] Per Two Weeks
FR	Flat Rate [13-15] Flat Rate
FT	Per Foot [13-15] Per Foot
FV	Loaded to Full Visible Capacity [13-15] Loaded to Full Visible Capacity
GT	Per Gross Ton [13-15] Per Gross Ton

HD	Per Hundredweight Per Dromedary Service Shipment [13-15] Per Hundredweight Per Dromedary Service Shipment
HM	Rate Per Hundred Weight Per Mile [13-15] Rate Per Hundred Weight Per Mile
HN	Per Half Month [13-15] Per Half Month
HX	Hundredweight Per Day [13-15] Hundredweight Per Day
HY	Per Half Year [13-15] Per Half Year
IA	Increase [13-15] Increase
IM	Intermodal Unit [13-15] Intermodal Unit
IN	Per Inch [13-15] Per Inch
KG	Per Kilograms [13-15] Per Kilograms
KL	Per Kiloliter [13-15] Per Kiloliter
KP	Per Kilometer [13-15] Per Kilometer
KT	Per Kilotons [13-15] Per Kilotons
LA	Per Pound Per Article [13-15] Per Pound Per Article
LB	Per Pound [13-15] Per Pound
LF	Per Loaded 436L Pallet [13-15] Per Loaded 436L Pallet
LI	Liability per Pound per Piece [13-15] Liability per Pound per Piece
LL	Life of Loan [13-15] Life of Loan
LP	Per Label [13-15] Per Label
LR	Per Litre [13-15] Per Litre
LS	Lump Sum [13-15] Lump Sum
LT	Per Long Ton [13-15] Per Long Ton
LV	Per Pound Per Vehicle [13-15] Per Pound Per Vehicle
MA	Minimum per Service [13-15] Minimum per Service
MB	Per Mile per Service Describes a rate that applies to the distance over which a service is performed [13-15] Per Mile per Service

MC	Minimum Per Car [13-15] Minimum Per Car
MD	Per Man Per Day [13-15] Per Man Per Day
ME	Multiple Equipment [13-15] Multiple Equipment
MF	Maximum [13-15] Maximum
MG	Miles Per Week Per Driver [13-15] Miles Per Week Per Driver
MH	Per Man Per Hour [13-15] Per Man Per Hour
MI	Negative Charge [13-15] Negative Charge
MM	Per Metric Ton (Tonne) [13-15] Per Metric Ton (Tonne)
MN	Minimum [13-15] Minimum
MO	Per Month [13-15] Per Month
MP	Maximum Per Shipment [13-15] Maximum Per Shipment
MR	Per Mile Per Vehicle Used Per Round Trip [13-15] Per Mile Per Vehicle Used Per Round Trip
MS	Minimum Per Shipment [13-15] Minimum Per Shipment
MT	Per Permit [13-15] Per Permit
MU	Multiplier [13-15] Multiplier
MV	Per Mile Per Vehicle (Rail Car) Moved [13-15] Per Mile Per Vehicle (Rail Car) Moved
MW	Minimum Per Vehicle [13-15] Minimum Per Vehicle
MX	Mixed Shipment Rule [13-15] Mixed Shipment Rule
NA	Negative [13-15] Negative
NB	Nonamortizing [13-15] Nonamortizing
ND	Minimum Per Driver [13-15] Minimum Per Driver
NE	Net Package Charge [13-15] Net Package Charge
NM	Per Mile Per Person [13-15] Per Mile Per Person
NP	Minimum Per Day Per Person [13-15] Minimum Per Day Per Person

NV	Minimum Per Day Per Vehicle [13-15] Minimum Per Day Per Vehicle
OP	Optional Value [13-15] Optional Value
OS	Per Season [13-15] Per Season
OT	One-Time Charge [13-15] One-Time Charge
P0	Per Year per Square Foot [13-15] Per Year per Square Foot
P1	Per Advancement [13-15] Per Advancement
P8	Potential [13-15] Potential
P9	Partial [13-15] Partial
PA	Per Container [13-15] Per Container
PB	Per Barge [13-15] Per Barge
PC	Per Car [13-15] Per Car
PD	Per Day [13-15] Per Day
PE	Per 20 Foot Equivalent (TEU) [13-15] Per 20 Foot Equivalent (TEU)
PF	Per Cubic Foot [13-15] Per Cubic Foot
PG	Per Gallon [13-15] Per Gallon
PH	Per Hundred (of Basic Unit) [13-15] Per Hundred (of Basic Unit)
PI	Hourly Rate Per Vehicle [13-15] Hourly Rate Per Vehicle
PJ	Projected [13-15] Projected
PK	Per Cord [13-15] Per Cord
PL	Per Load [13-15] Per Load
PM	Per Mile [13-15] Per Mile
PN	Per Night [13-15] Per Night
PO	Positive [13-15] Positive
PP	Per Piece [13-15] Per Piece

PQ	Per Period [13-15] Per Period
PR	Per Hour [13-15] Per Hour
PS	Per Shipment [13-15] Per Shipment
PT	Per Net Ton [13-15] Per Net Ton
PU	Per Unit [13-15] Per Unit
PV	Per Vehicle [13-15] Per Vehicle
PW	Percentage of Charges [13-15] Percentage of Charges
PX	Payment [13-15] Payment
PY	Per Gallon Per Mile Describes a transportation rate that applies to every gallon for every mile the individual shipment is moved [13-15] Per Gallon Per Mile
PZ	Per Package Charge [13-15] Per Package Charge
QY	Per Quarter Year [13-15] Per Quarter Year
RA	Rate per Thousand [13-15] Rate per Thousand
RB	Rate per Hundred [13-15] Rate per Hundred
RC	Rate [13-15] Rate
RL	Per Relocation [13-15] Per Relocation
RP	Percent Of Rate [13-15] Percent Of Rate
RT	Per Vehicle Used Per Round Trip [13-15] Per Vehicle Used Per Round Trip
S0	Per 1000 Square Feet [13-15] Per 1000 Square Feet
S1	Per 100 Square Feet [13-15] Per 100 Square Feet
SA	Subtraction [13-15] Subtraction
SB	Subsequent [13-15] Subsequent
SC	Per Stencil [13-15] Per Stencil
SD	Shipper's Export Declaration Value [13-15] Shipper's Export Declaration Value

SE	Second [13-15] Second
SF	Per Square Feet [13-15] Per Square Feet
SG	Stated [13-15] Stated
SH	Scheduled [13-15] Scheduled
SP	Per Stop [13-15] Per Stop
ST	Per Short Ton [13-15] Per Short Ton
SU	Per Stack Car Unit [13-15] Per Stack Car Unit
SY	Square Yard [13-15] Square Yard
TB	Per 2 Trailers Same Day [13-15] Per 2 Trailers Same Day
TC	Per 3 Trailers Same Day [13-15] Per 3 Trailers Same Day
TD	Per 4 Trailers Same Day [13-15] Per 4 Trailers Same Day
TN	Per Train Rate [13-15] Per Train Rate
TP	Per Tag [13-15] Per Tag
TR	Per Trailer (Per Train) [13-15] Per Trailer (Per Train)
VA	Per Vehicle Moved Describes a transportation rate that applies to every vehicle conveyed in an individual shipment [13-15] Per Vehicle Moved
VH	Per Vehicle Used Describes a transportation rate that applies to each vehicle used for the movement of an individual shipment [13-15] Per Vehicle Used
VM	Volume [13-15] Volume
VP	Maximum Per Vehicle [13-15] Maximum Per Vehicle
VR	Per Rail Car Used Describes a transportation rate that applies to each rail car used for the movement of an individual shipment [13-15] Per Rail Car Used
VS	Various [13-15] Various
VT	Per Mile per Vehicle Describes a rate that applies to the distance a conveying vehicle is used [13-15] Per Mile per Vehicle

		VU	Per Mile Per Vehicle (Rail Car) Used [13-15] Per Mile Per Vehicle (Rail Car) Used	
		VV	Per Vehicle per State Describes a rate that applies to the number of security vehicles per state needed to surveil a shipment [13-15] Per Vehicle per State	
		WK	Per Week [13-15] Per Week	
		WM	Weight or Measurement [13-15] Weight or Measurement	
		XP	Maximum Per Person [13-15] Maximum Per Person	
		YR	Per Year [13-15] Per Year	
<b>L116</b>	<b>372</b>	<b>Lading Liability Code</b>		<b>O ID 1/1</b>
		Code identifying limits of liability [13-16] Lading Liability Code		
		F	Full Liability [13-16] Full Liability	
		L	Limited Liability [13-16] Limited Liability	
<b>L117</b>	<b>220</b>	<b>Billed/Rated-as Quantity</b>		<b>X R 1/11</b>
		Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81 [13-17] Billed/Rated-as Quantity		
<b>L118</b>	<b>221</b>	<b>Billed/Rated-as Qualifier</b>		<b>X ID 2/2</b>
		Code identifying the type of quantity or value on which the rate or item pricing is based [13-18] Billed/Rated-as Qualifier		
		AR	Appurtenance (Enhancements/Additions to Equipment) [13-18] Appurtenance (Enhancements/Additions to Equipment)	
		BA	Barrels Identifies a billable unit expressed as a type of container [13-18] Barrels	
		BX	Box [13-18] Box	
		CC	Cubic Centimeter [13-18] Cubic Centimeter	
		CF	Cubic Foot [13-18] Cubic Foot	
		CM	Centimeter [13-18] Centimeter	
		DK	Kilometers [13-18] Kilometers	
		DM	Miles [13-18] Miles	
		DR	Drivers Identifies a billable unit expressed as persons operating equipment [13-18] Drivers	
		EA	Each [13-18] Each	

FR	Flat Rate [13-18] Flat Rate
FT	Foot [13-18] Foot
GC	100 Gallons [13-18] 100 Gallons
GL	Gallon [13-18] Gallon
KG	Kilogram [13-18] Kilogram
LB	Pound [13-18] Pound
LC	100 Pounds [13-18] 100 Pounds
LH	100 Liters [13-18] 100 Liters
LR	Liter [13-18] Liter
MR	Mileage [13-18] Mileage
MT	Measurement Ton [13-18] Measurement Ton
MV	Monetary Value [13-18] Monetary Value
NB	Barge [13-18] Barge
NC	Car [13-18] Car
ND	Cord A volume measurement [13-18] Cord
NG	Nights Identifies a billable unit expressed as nights; one night is the period between 6 p.m. of a given day to 6 a.m. of the next [13-18] Nights
NL	Load [13-18] Load
NN	Train [13-18] Train
NP	Piece [13-18] Piece
NR	Container [13-18] Container
NT	Trailer [13-18] Trailer
NU	Unit A specific measurement in rating shipments [13-18] Unit
NV	Vehicle [13-18] Vehicle

OR	Other
	[13-18] Other
PK	Package
	[13-18] Package
PR	Persons
	Identifies a billable unit expressed as persons performing an additional service other than the operation of equipment
	[13-18] Persons
RV	Release Value
	[13-18] Release Value
SP	Stops
	Identifies a billable unit expressed as stops that are authorized as part of a shipment of goods
	[13-18] Stops
ST	Number of States
	[13-18] Number of States
SY	Square Yards
	[13-18] Square Yards
TD	Days
	[13-18] Days
TH	Hours
	[13-18] Hours
TN	Tons
	Identifies a billable unit expressed as short tons (2000 pounds)
	[13-18] Tons
TR	Time
	[13-18] Time
VA	Actual Volume
	[13-18] Actual Volume
VC	Chargeable Volume
	[13-18] Chargeable Volume
VM	Volume Metric Unit
	[13-18] Volume Metric Unit

**L119 954 Percent O R 1/10**

Percentage expressed as a decimal

[13-19] Percent

**L120 100 Currency Code O ID 3/3**

Code (Standard ISO) for country in whose currency the charges are specified

[13-20] Currency Code

Enter Standard ISO code for country in whose currency the charges are specified.

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](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.

**X L121 610 Amount O N2 1/15**

Monetary amount

**Segment:** **L0** Line Item - Quantity and Weight  
**Position:** 150  
**Loop:** L0 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data

- Syntax Notes:**
- 1 If either L002 or L003 is present, then the other is required.
  - 2 If either L004 or L005 is present, then the other is required.
  - 3 If either L006 or L007 is present, then the other is required.
  - 4 If either L008 or L009 is present, then the other is required.
  - 5 If L011 is present, then L004 is required.
  - 6 If either L013 or L015 is present, then the other is required.

- Semantic Notes:**
- 1 L008 is the number of handling units of the line item tendered to the carrier.
  - 2 L013 can only be used if the code in L009 is PLT, SKD, or SLP.
  - 3 L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.

- Comments:**
- 1 L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.

**Notes:** [14] L0 SEGMENT - Commodity Item  
 Use the L0 segment for commodity level data.

#### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
L001	213	<b>Lading Line Item Number</b>	O N0 1/3
		Sequential line number for a lading item	
		[14-01] Lading Line Item Number	
X	L002	220 <b>Billed/Rated-as Quantity</b>	X R 1/11
		Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	
X	L003	221 <b>Billed/Rated-as Qualifier</b>	X ID 2/2
		Code identifying the type of quantity or value on which the rate or item pricing is based	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	L004	81 <b>Weight</b>	X R 1/10
		Numeric value of weight	
		[14-04] Weight	
>>	L005	187 <b>Weight Qualifier</b>	X ID 1/2
		Code defining the type of weight	
		[14-05] Weight Qualifier	
		G Gross Weight	
		[14-05] Gross Weight	
	L006	183 <b>Volume</b>	X R 1/8
		Value of volumetric measure	
		[14-06] Volume	
		Usage recommended.	
	L007	184 <b>Volume Unit Qualifier</b>	X ID 1/1
		Code identifying the volume unit	
		[14-07] Volume Unit Qualifier	
		B Barge	
		[14-07] Barge	
		C Cubic Centimeters	
		[14-07] Cubic Centimeters	

D	Cord
	[14-07] Cord
E	Cubic Feet
	[14-07] Cubic Feet
F	100 Board Feet
	[14-07] 100 Board Feet
G	Gallons
	[14-07] Gallons
H	Hundreds of Measurement Tons
	[14-07] Hundreds of Measurement Tons
L	Load
	[14-07] Load
M	Cubic Decimeters
	[14-07] Cubic Decimeters
N	Cubic Inches
	[14-07] Cubic Inches
R	Car
	[14-07] Car
S	Measurement Ton
	[14-07] Measurement Ton
T	Container
	[14-07] Container
U	Volumetric Unit
	[14-07] Volumetric Unit
V	Liter
	[14-07] Liter
X	Cubic Meters
	[14-07] Cubic Meters

**L008 80 Lading Quantity X NO 1/7**

Number of units (pieces) of the lading commodity

[14-08] Lading Quantity

**L009 211 Packaging Form Code X ID 3/3**

Code for packaging form of the lading quantity

[14-09] Packaging Form Code

AMM	Ammo Pack
	[14-09] Ammo Pack
BAG	Bag
	[14-09] Bag
BAL	Bale
	[14-09] Bale
BBL	Barrel
	[14-09] Barrel
BDL	Bundle
	[14-09] Bundle
BEM	Beam
	[14-09] Beam
BIC	Bing Chest
	[14-09] Bing Chest
BIN	Bin
	[14-09] Bin

BKG	Bulk Bag A large sized flexible, intermediate bulk container; the side walls are flexible; it's made of fabric; when filled, it takes on the shape of what you put inside [14-09] Bulk Bag
BLK	Bulk [14-09] Bulk
BOB	Bobbin [14-09] Bobbin
BOT	Bottle A container having a round neck of relatively smaller diameter than the body with an opening that can be fitted with lid; it does not have a handle [14-09] Bottle
BOX	Box [14-09] Box
BRG	Barge [14-09] Barge
BSK	Basket or hamper [14-09] Basket or hamper
BXI	Box, with inner container [14-09] Box, with inner container
BXT	Bucket [14-09] Bucket
CAB	Cabinet [14-09] Cabinet
CAG	Cage [14-09] Cage
CAN	Can [14-09] Can
CAR	Carrier [14-09] Carrier
CAS	Case [14-09] Case
CBC	Containers of Bulk Cargo [14-09] Containers of Bulk Cargo
CBY	Carboy [14-09] Carboy
CCS	Can Case [14-09] Can Case
CHE	Cheeses [14-09] Cheeses
CHS	Chest [14-09] Chest
CLD	Car Load, Rail [14-09] Car Load, Rail
CNA	Household Goods Containers, Wood [14-09] Household Goods Containers, Wood

CNB	Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air An air container conforming to ISO standards [14-09] Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air
CNC	Container, Navy Cargo Transporter [14-09] Container, Navy Cargo Transporter
CND	Container, Commercial Highway Lift [14-09] Container, Commercial Highway Lift
CNE	Engine Container [14-09] Engine Container
CNF	Multiwall Container Secured to Warehouse Pallet [14-09] Multiwall Container Secured to Warehouse Pallet
CNT	Container [14-09] Container
CNX	CONEX - Container Express An 8x8x8-foot container used for packaging and shipping military material [14-09] CONEX - Container Express
COL	Coil [14-09] Coil
CON	Cones [14-09] Cones
COR	Core [14-09] Core
CRD	Cradle [14-09] Cradle
CRT	Crate [14-09] Crate
CSK	Cask [14-09] Cask
CTN	Carton [14-09] Carton
CUB	Cube A box that has a "bladder" (poly-formed bladder) inside; it has an opening similar to bottle; the interior bladder is flexible not rigid [14-09] Cube
CYL	Cylinder [14-09] Cylinder
DBK	Dry Bulk [14-09] Dry Bulk
DRK	Double-length Rack [14-09] Double-length Rack
DRM	Drum A large container with a cylindrical shape; top may have removable or sealed top sides may be fiberboard or metal [14-09] Drum

DSK	Double-length Skid [14-09] Double-length Skid
DTB	Double-length Tote Bin [14-09] Double-length Tote Bin
DUF	Duffle Bag [14-09] Duffle Bag
ENV	Envelope [14-09] Envelope
FIR	Firkin [14-09] Firkin
FLO	Flo-bin [14-09] Flo-bin
FLX	Liner Bag Liquid A rubber liner used in a standard container for liquid material [14-09] Liner Bag Liquid
FRM	Frame [14-09] Frame
FSK	Flask [14-09] Flask
FWR	Forward Reel [14-09] Forward Reel
GOH	Garments on Hangers [14-09] Garments on Hangers
HED	Heads of Beef [14-09] Heads of Beef
HGH	Hogshead [14-09] Hogshead
HPR	Hamper [14-09] Hamper
HPT	Hopper Truck [14-09] Hopper Truck
HRB	On Hanger or Rack in Boxes [14-09] On Hanger or Rack in Boxes
HRK	Half-standard Rack [14-09] Half-standard Rack
HTB	Half-Standard Tote Bin [14-09] Half-Standard Tote Bin
JAR	Jar [14-09] Jar
JUG	Jug A bottle (usually 1/2 gallon or larger) fitted with a handle [14-09] Jug
KEG	Keg [14-09] Keg
KIT	Kit [14-09] Kit
KRK	Knockdown Rack [14-09] Knockdown Rack

KTB	Knockdown Tote Bin [14-09] Knockdown Tote Bin
LBK	Liquid Bulk [14-09] Liquid Bulk
LIF	Lifts [14-09] Lifts
LOG	Log [14-09] Log
LSE	Loose [14-09] Loose
LUG	Lug [14-09] Lug
LVN	Lift Van [14-09] Lift Van
MLV	MILVAN - Military Van A 20-foot transportation van that conforms to ISO standards [14-09] MILVAN - Military Van
MRP	Multi-Roll Pack [14-09] Multi-Roll Pack
MSV	MSCVAN - Military Sealift Command Van A 35-foot transportation van [14-09] MSCVAN - Military Sealift Command Van
MXD	Mixed Type Pack [14-09] Mixed Type Pack
NOL	Noil [14-09] Noil
OVW	Overwrap A cardboard bottom is put down on a pallet; the bags are stacked in layers; the top of the cardboard slides down over the bags to meet the bottom; if any of the bags tear, the product always stays inside the cardboard [14-09] Overwrap
PAL	Pail [14-09] Pail
PCK	Packed - not otherwise specified [14-09] Packed - not otherwise specified
PCS	Pieces [14-09] Pieces
PIR	Pims [14-09] Pims
PKG	Package [14-09] Package
PLF	Platform [14-09] Platform
PLN	Pipeline [14-09] Pipeline
PLT	Pallet [14-09] Pallet
POV	Private Vehicle [14-09] Private Vehicle

PRK	Pipe Rack [14-09] Pipe Rack
QTR	Quarter of Beef [14-09] Quarter of Beef
RAL	Rail (Semiconductor) [14-09] Rail (Semiconductor)
RCK	Rack [14-09] Rack
REL	Reel [14-09] Reel
ROL	Roll [14-09] Roll
RVR	Reverse Reel [14-09] Reverse Reel
SAK	Sack [14-09] Sack
SBC	Liner Bag Dry A plastic liner used in container designed for the carriage of dry free-flowing material [14-09] Liner Bag Dry
SCS	Suitcase [14-09] Suitcase
SHK	Shook [14-09] Shook
SHT	Sheet [14-09] Sheet
SID	Side of Beef [14-09] Side of Beef
SKD	Skid [14-09] Skid
SKE	Skid, elevating or lift truck [14-09] Skid, elevating or lift truck
SLP	Slip Sheet Shipping containers utilizing slip sheets, which are cardboard platforms used to hold product for storage or transportation [14-09] Slip Sheet
SLV	Sleeve [14-09] Sleeve
SPI	Spin Cylinders [14-09] Spin Cylinders
SPL	Spool [14-09] Spool
SVN	SEAVAN - Sea Van A commercial or military 40-foot transportation container that conforms to ISO standards [14-09] SEAVAN - Sea Van
TBE	Tube [14-09] Tube



**L011 188 Weight Unit Code O ID 1/1**

Code specifying the weight unit

[14-11] Weight Unit Code

E	Metric Ton
	[14-11] Metric Ton
G	Grams
	[14-11] Grams
K	Kilograms
	[14-11] Kilograms
L	Pounds
	[14-11] Pounds
M	Measurement Ton
	[14-11] Measurement Ton
O	Ounces
	[14-11] Ounces
S	Short Ton
	[14-11] Short Ton
T	Long Ton
	[14-11] Long Ton

**L012 56 Type of Service Code O ID 2/2**

Code specifying extent of transportation service requested

[14-12] Type of Service Code

HH	House-to-house
	[14-12] House-to-house
HP	House-to-pier
	[14-12] House-to-pier
PH	Pier-to-house
	[14-12] Pier-to-house
PP	Pier-to-pier
	[14-12] Pier-to-pier

**X L013 380 Quantity X R 1/15**

Numeric value of quantity

**X L014 211 Packaging Form Code O ID 3/3**

Code for packaging form of the lading quantity

Refer to 004010 Data Element Dictionary for acceptable code values.

**X L015 1073 Yes/No Condition or Response Code X ID 1/1**

Code indicating a Yes or No condition or response

Refer to 004010 Data Element Dictionary for acceptable code values.

**Segment:** **L5** Description, Marks and Numbers  
**Position:** 160  
**Loop:** L0 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 999  
**Purpose:** To specify the line item in terms of description, quantity, packaging, and marks and numbers

- Syntax Notes:**
- 1 If either L503 or L504 is present, then the other is required.
  - 2 If L507 is present, then L506 is required.
  - 3 If either L508 or L509 is present, then the other is required.

**Semantic Notes:**

**Comments:** 1 L502 may be used to send quantity information as part of the product description.

**Notes:** [15] L5 SEGMENT - Line Item Description

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
L501	213	<b>Lading Line Item Number</b>	O N0 1/3
		Sequential line number for a lading item	
		[15-01] Lading Line Item Number	
L502	79	<b>Lading Description</b>	O AN 1/50
		Description of an item as required for rating and billing purposes	
		[15-02] Lading Description	
L503	22	<b>Commodity Code</b>	X AN 1/30
		Code describing a commodity or group of commodities	
		[15-03] Commodity Code	
L504	23	<b>Commodity Code Qualifier</b>	X ID 1/1
		Code identifying the commodity coding system used for Commodity Code	
		[15-04] Commodity Code Qualifier	
		B U.S. Foreign Trade Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States	
		[15-04] U.S. Foreign Trade Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States	
		Use 'B' to denote U.S. Foreign Trade Schedule B	
		I Milstamp AITC or Water Commodity Code	
		[15-04] Milstamp AITC or Water Commodity Code	
		J Harmonized System-Based Schedule B Classification of exported merchandise	
		[15-04] Harmonized System-Based Schedule B	
L505	103	<b>Packaging Code</b>	O AN 3/5
		Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required	
		[15-05] Packaging Code	
		AMM Ammo Pack	
		[15-05] Ammo Pack	
		AMP Ampoule	
		[15-05] Ampoule	

ATH	Attachment In containers and shipping devices, a component that can be added to provide additional functionality or security as required by the contents or method of transportation/handling [15-05] Attachment
BAG	Bag [15-05] Bag
BAL	Bale [15-05] Bale
BBL	Barrel [15-05] Barrel
BDG	Banding Something that binds, ties, or encircles the package/container to secure and maintain unit integrity [15-05] Banding
BDL	Bundle [15-05] Bundle
BEM	Beam [15-05] Beam
BIC	Bing Chest [15-05] Bing Chest
BIN	Bin [15-05] Bin
BLK	Bulk [15-05] Bulk
BLT	Belting As pertains to containers and shipping devices, a method of securing the contents to the conveyance device (or securing components of the shipping device to each other) using one or more bands of flexible material having high-tensile strength and a buckle or ratchet device for removing slack and maintaining tension [15-05] Belting
BOB	Bobbin [15-05] Bobbin
BOT	Bottle [15-05] Bottle
BOX	Box [15-05] Box
BRC	Bracing Material or devices used to hold articles or sections of loads in position to prevent shifting during transportation [15-05] Bracing
BRG	Barge [15-05] Barge
BSK	Basket or hamper [15-05] Basket or hamper
BXI	Box, with inner container [15-05] Box, with inner container

BXT	Bucket [15-05] Bucket
CAB	Cabinet [15-05] Cabinet
CAG	Cage [15-05] Cage
CAN	Can [15-05] Can
CAR	Carrier [15-05] Carrier
CAS	Case [15-05] Case
CBC	Containers of Bulk Cargo [15-05] Containers of Bulk Cargo
CBY	Carboy [15-05] Carboy
CCS	Can Case [15-05] Can Case
CHE	Cheeses [15-05] Cheeses
CHS	Chest [15-05] Chest
CLD	Car Load, Rail [15-05] Car Load, Rail
CNA	Household Goods Container, Wood [15-05] Household Goods Container, Wood
CNB	Container, MAC-ISO, LT. WGT. 8x8x20 Foot Air [15-05] Container, MAC-ISO, LT. WGT. 8x8x20 Foot Air
CNC	Container, Navy Cargo Transporter [15-05] Container, Navy Cargo Transporter
CND	Container, Commercial Highway Lift [15-05] Container, Commercial Highway Lift
CNE	Container, Engine [15-05] Container, Engine
CNF	Container, Multi-walled, Secured to Warehouse Pallet [15-05] Container, Multi-walled, Secured to Warehouse Pallet
CNT	Container [15-05] Container
COL	Coil [15-05] Coil
CON	Cones [15-05] Cones
COR	Core [15-05] Core
CRD	Cradle [15-05] Cradle

CRF	Corner Reinforcement Usually in boxes or crates, additional material or components attached to adjacent panels to add support or prevent crushing or separation [15-05] Corner Reinforcement
CRT	Crate [15-05] Crate
CSK	Cask [15-05] Cask
CTN	Carton [15-05] Carton
CX2	CONEX A reusable container for shipment of cargo [15-05] CONEX
CYL	Cylinder [15-05] Cylinder
DBK	Dry Bulk [15-05] Dry Bulk
DRK	Double-length Rack [15-05] Double-length Rack
DRM	Drum [15-05] Drum
DSK	Double-length Skid [15-05] Double-length Skid
DTB	Double-length Tote Bin [15-05] Double-length Tote Bin
DUF	Duffelbag [15-05] Duffelbag
EGG	Egg Crating In containers and shipping devices, usually describes a type of interior dunnage which allows the contents to be individually segregated, horizontally and vertically, to provide protection during transportation and storage [15-05] Egg Crating
ENV	Envelope [15-05] Envelope
EPR	Edge Protection A right-angle piece placed over the outermost perimeter edges of a container to distribute pressure and prevent collapse or cutting from banding, strapping, or handling [15-05] Edge Protection
FIR	Firkin [15-05] Firkin
FLO	Flo-bin [15-05] Flo-bin
FRM	Frame [15-05] Frame
FSK	Flask [15-05] Flask
FWR	Forward Reel [15-05] Forward Reel

HED	Heads of Beef [15-05] Heads of Beef
HGH	Hogshead [15-05] Hogshead
HPR	Hamper [15-05] Hamper
HPT	Hopper Truck [15-05] Hopper Truck
HRB	On Hanger or Rack in Boxes [15-05] On Hanger or Rack in Boxes
HRK	Half-Standard Rack [15-05] Half-Standard Rack
HTB	Half-Standard Tote Bin [15-05] Half-Standard Tote Bin
INT	Intermediate Container [15-05] Intermediate Container
JAR	Jar [15-05] Jar
KEG	Keg [15-05] Keg
KIT	Kit [15-05] Kit
KRK	Knockdown Rack [15-05] Knockdown Rack
KTB	Knockdown Tote Bin [15-05] Knockdown Tote Bin
LBK	Liquid Bulk [15-05] Liquid Bulk
LID	Lip/Top In packaging, the top or bottom of a container, usually the part that closes the opening; may also be known as cap, over, or top [15-05] Lip/Top
LIF	Lifts [15-05] Lifts
LNR	Liners Any material that separates a product within a container from the basic walls of the container [15-05] Liners
LOG	Log [15-05] Log
LSE	Loose [15-05] Loose
LUG	Lug [15-05] Lug
LVN	Lift Van [15-05] Lift Van
MIX	Mixed Container Types More than one type of container is included in a shipment (shipment could consist of 3 pieces that include 1 box, 1 crate, and 1 basket) [15-05] Mixed Container Types

ML2	MILVAN A military owned demountable container that conforms to US and international standards and operates in a centrally controlled fleet for movement of military cargo [15-05] MILVAN
MRP	Multi-Roll Pack [15-05] Multi-Roll Pack
MS2	MSCVAN A commercial (leased) or Government-owned shipping container controlled by the Military Sealift Command [15-05] MSCVAN
MXD	Mixed [15-05] Mixed
NOL	Noil [15-05] Noil
PAF	Pallet - 4 Way A pallet that permits entry of handling equipment on each of its four sides [15-05] Pallet - 4 Way
PAL	Pail [15-05] Pail
PAT	Pallet - 2 Way A pallet that permits entry of handling equipment on opposing two of its four sides [15-05] Pallet - 2 Way
PCK	Packed - not otherwise specified [15-05] Packed - not otherwise specified
PCS	Pieces [15-05] Pieces
PIR	Pirns [15-05] Pirns
PKG	Package [15-05] Package
PLC	Primary Lift Container The largest (outermost) unitized package or articles secured together that can be handled (usually mechanically) in common shop floor/warehouse applications as a single entity; "primary" indicates preferred or mandatory [15-05] Primary Lift Container
PLF	Platform [15-05] Platform
PLN	Pipeline [15-05] Pipeline
PLT	Pallet [15-05] Pallet
POV	Private Vehicle [15-05] Private Vehicle
PRK	Pipe Rack [15-05] Pipe Rack
PRT	Partitioning The proceeds of applying separators or dividers [15-05] Partitioning

PWT	Plastic-Wrapped Tray [15-05] Plastic-Wrapped Tray
QTR	Quarter of Beef [15-05] Quarter of Beef
RAL	Rail (Semiconductor) [15-05] Rail (Semiconductor)
RCK	Rack [15-05] Rack
REL	Reel [15-05] Reel
RFT	Reinforcement In containers and shipping devices, a component (usually temporary) added to a container for a particular application to lend additional support under severe applications [15-05] Reinforcement
ROL	Roll [15-05] Roll
RVR	Reverse Reel [15-05] Reverse Reel
SAK	Sack [15-05] Sack
SCS	Suitcase [15-05] Suitcase
SHK	Shook [15-05] Shook
SHT	Sheet A thin layer of material usually used as a pad for extra protection by isolating/separating tiers or layers of parts within the package [15-05] Sheet
SID	Side of Beef [15-05] Side of Beef
SKD	Skid [15-05] Skid
SKE	Skid, elevating or lift truck [15-05] Skid, elevating or lift truck
SLP	Slip Sheet Shipping containers utilizing slip sheets, which are cardboard platforms used to hold product for storage or transportation [15-05] Slip Sheet
SLV	Sleeve [15-05] Sleeve
SPI	Spin Cylinders [15-05] Spin Cylinders
SPL	Spool [15-05] Spool
SPR	Separator/Divider In packaging, any material inserted between tiers or layers of articles to prevent contact and provide protection [15-05] Separator/Divider

SRW	Shrink Wrap In packaging, a method of securing a unit load by placing a large "bag" of plastic film over the components and applying heat to induce shrinkage and cause the bag to tighten around the contents [15-05] Shrink Wrap
STW	Stretch Wrap In packaging, a high-tensile plastic film, stretched and wrapped repeatedly around a unitized load to secure and maintain unit integrity [15-05] Stretch Wrap
SV2	SEAVAN A commercial or government-owned (or leased) shipping container which is moved via ocean transportation without wheels attached and is lifted on and off a ship [15-05] SEAVAN
TBE	Tube [15-05] Tube
TBN	Tote Bin [15-05] Tote Bin
TKR	Tank Car [15-05] Tank Car
TKT	Tank Truck [15-05] Tank Truck
TLD	Intermodal Trailer/Container Load (Rail) [15-05] Intermodal Trailer/Container Load (Rail)
TNK	Tank [15-05] Tank
TRC	Tierce [15-05] Tierce
TRK	Trunk and Chest [15-05] Trunk and Chest
TRU	Truck [15-05] Truck
TRY	Tray [15-05] Tray
TSS	Trunk, Salesmen Sample [15-05] Trunk, Salesmen Sample
TUB	Tub [15-05] Tub
UNP	Unpacked [15-05] Unpacked
UNT	Unit [15-05] Unit
VEH	Vehicles [15-05] Vehicles
VIL	Vial [15-05] Vial
VOC	Vehicle in Operating Condition [15-05] Vehicle in Operating Condition

		VPK	Van Pack [15-05] Van Pack	
		WHE	On Own Wheel [15-05] On Own Wheel	
		WLC	Wheeled Carrier [15-05] Wheeled Carrier	
		WRP	Wrapped [15-05] Wrapped	
	<b>L506</b>	<b>87</b>	<b>Marks and Numbers</b>	<b>X AN 1/48</b>
			Marks and numbers used to identify a shipment or parts of a shipment [15-06] Marks and Numbers Required for breakbulk cargo. For code value 'SM' enter the TCN for breakbulk.	
	<b>L507</b>	<b>88</b>	<b>Marks and Numbers Qualifier</b>	<b>O ID 1/2</b>
			Code specifying the application or source of Marks and Numbers (87) [15-07] Marks and Numbers Qualifier	
		SM	Shipper Assigned [15-07] Shipper Assigned	
<b>X</b>	<b>L508</b>	<b>23</b>	<b>Commodity Code Qualifier</b>	<b>X ID 1/1</b>
			Code identifying the commodity coding system used for Commodity Code Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>L509</b>	<b>22</b>	<b>Commodity Code</b>	<b>X AN 1/30</b>
			Code describing a commodity or group of commodities	
	<b>L510</b>	<b>595</b>	<b>Compartment ID Code</b>	<b>O ID 1/1</b>
			Code identifying the compartment in a compartmentalized tank car [15-10] Compartment ID Code	
		1	Brake End [15-10] Brake End	
		2	2nd from Brake End [15-10] 2nd from Brake End	
		3	3rd from Brake End [15-10] 3rd from Brake End	
		4	4th from Brake End [15-10] 4th from Brake End	
		5	5th from Brake End [15-10] 5th from Brake End	
		6	6th from Brake End [15-10] 6th from Brake End	

**Segment:** **L1 Rate and Charges**  
**Position:** 170  
**Loop:** L1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

**Syntax Notes:**  
**1** If either L102 or L103 is present, then the other is required.  
**2** At least one of L104 L105 or L106 is required.  
**3** If either L114 or L115 is present, then the other is required.  
**4** If either L117 or L118 is present, then the other is required.

**Semantic Notes:**  
**1** L119 is the percent used to determine the charge in L104.  
**2** L120, if used, indicates the currency for all monetary amounts in this L1 segment.  
**3** L121 is the origin rated as charge amount.

**Comments:**

**Notes:** [16] L1 SEGMENT - Line Item Rate and Charges

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
L101	213	<b>Lading Line Item Number</b> Sequential line number for a lading item [16-01] Lading Line Item Number	O N0 1/3
>>	L102	<b>60 Freight Rate</b> Rate that applies to the specific commodity [16-02] Freight Rate	X R 1/9
>>	L103	<b>122 Rate/Value Qualifier</b> Code qualifying how to extend charges or interpret value [16-03] Rate/Value Qualifier	X ID 2/2
		BF Per 1,000 Board Feet [16-03] Per 1,000 Board Feet Use 'BF' to denote Per 1	
		CF Per 40 Cubic Feet (Measurement Ton) [16-03] Per 40 Cubic Feet (Measurement Ton)	
		CM Per Cubic Meter [16-03] Per Cubic Meter	
		CS Per Special Charge [16-03] Per Special Charge	
		KT Per Kilotons [16-03] Per Kilotons	
		LS Lump Sum [16-03] Lump Sum	
		LT Per Long Ton [16-03] Per Long Ton	
		MD Per Man Per Day [16-03] Per Man Per Day	
		PA Per Container [16-03] Per Container	
		PD Per Day [16-03] Per Day	
		PM Per Mile [16-03] Per Mile	

			PP	Per Piece [16-03] Per Piece	
			PS	Per Shipment [16-03] Per Shipment	
			PU	Per Unit [16-03] Per Unit	
			PV	Per Vehicle [16-03] Per Vehicle	
			SP	Per Stop [16-03] Per Stop	
			ST	Per Short Ton [16-03] Per Short Ton	
>>	<b>L104</b>	<b>58</b>	<b>Charge</b>		<b>X N2 1/12</b>
			For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified		
			[16-04] Charge		
	<b>L105</b>	<b>191</b>	<b>Advances</b>		<b>X N2 1/9</b>
			Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified		
			[16-05] Advances		
X	<b>L106</b>	<b>117</b>	<b>Prepaid Amount</b>		<b>X N2 1/9</b>
			Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified		
	<b>L107</b>	<b>120</b>	<b>Rate Combination Point Code</b>		<b>O AN 3/9</b>
			The code denoting the connecting station for a joint rate obtained by combining two or more published rates which are used for the calculation of transportation charges		
			[16-07] Rate Combination Point Code		
			FSAC	Rail [16-07] Rail	
			IATA	Air [16-07] Air	
			R260	Association of American Railroads Accounting Rule 260 [16-07] Association of American Railroads Accounting Rule 260	
			SPLC	Motor [16-07] Motor	
>>	<b>L108</b>	<b>150</b>	<b>Special Charge or Allowance Code</b>		<b>O ID 3/3</b>
			Code identifying type of special charge or allowance		
			[16-08] Special Charge or Allowance Code		
			295	Discount - Special [16-08] Discount - Special	
			AAS	Attendants Accompanying Rail charge for government or contractor personnel accompanying freight shipments on freight trains [16-08] Attendants Accompanying	
			DEM	Demurrage [16-08] Demurrage	
			DFD	Keep from Freezing Percent Differential [16-08] Keep from Freezing Percent Differential	

LSH	Lashing
	[16-08] Lashing
RST	Respotting
	[16-08] Respotting
WEA	Weather Protection
	[16-08] Weather Protection

**L109 121 Rate Class Code O ID 1/3**

Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k

**[16-09] Rate Class Code**

A	Alternate Rating
	[16-09] Alternate Rating
BHR	Backhaul Rate
	[16-09] Backhaul Rate
C	Specific Commodity Rate
	[16-09] Specific Commodity Rate
CTR	Contract Rate
	[16-09] Contract Rate
DMA	Demurrage Period 1
	[16-09] Demurrage Period 1
DMB	Demurrage Period 2
	[16-09] Demurrage Period 2
DMC	Demurrage Period 3
	[16-09] Demurrage Period 3
E	Weight in Excess of Pivot Weight and Applicable Rate
	[16-09] Weight in Excess of Pivot Weight and Applicable Rate
ECR	Econo Rate
	[16-09] Econo Rate
F	Overflow
	[16-09] Overflow
H	Charter
	[16-09] Charter
I	Class Not Identifiable
	[16-09] Class Not Identifiable
L	Class Rate
	[16-09] Class Rate
M	Minimum
	[16-09] Minimum
N	Normal Under 45 KG Rate
	[16-09] Normal Under 45 KG Rate
O	Column Commodity Rate
	[16-09] Column Commodity Rate
Q	Quantity 45 KG Over Rate
	[16-09] Quantity 45 KG Over Rate
QUO	Quoted Rate
	[16-09] Quoted Rate
R	Class Rate (Less than Normal Rate)
	[16-09] Class Rate (Less than Normal Rate)
S	Class Rate (More than Normal Rate)
	[16-09] Class Rate (More than Normal Rate)

		T	Sender Rate	
			[16-09] Sender Rate	
		U	Pivot Weight and Applicable Pivot Weight Charge	
			[16-09] Pivot Weight and Applicable Pivot Weight Charge	
		V	Excess Rate	
			[16-09] Excess Rate	
		X	IATA Container or Unit Load Device (ULD)	
			[16-09] IATA Container or Unit Load Device (ULD)	
		Y	Exception Rating	
			[16-09] Exception Rating	
<b>L110</b>	<b>39</b>	<b>Entitlement Code</b>		<b>O ID 1/1</b>
		Code identifying entitlement party		
		[16-10] Entitlement Code		
		A	Agent	
			[16-10] Agent	
		B	Broker	
			[16-10] Broker	
		C	Consignee	
			[16-10] Consignee	
		D	Destination Carrier	
			[16-10] Destination Carrier	
		E	Forwarder or Agent	
			[16-10] Forwarder or Agent	
		I	Issuing Carrier	
			[16-10] Issuing Carrier	
		S	Shipper	
			[16-10] Shipper	
		Z	Mutually Defined	
			[16-10] Mutually Defined	
<b>L111</b>	<b>16</b>	<b>Charge Method of Payment</b>		<b>O ID 1/1</b>
		Code defining method of payment		
		[16-11] Charge Method of Payment		
		A	Prepaid Cash	
			[16-11] Prepaid Cash	
		B	Prepaid Credit	
			[16-11] Prepaid Credit	
		C	Collect Cash	
			[16-11] Collect Cash	
		D	Collect Credit	
			[16-11] Collect Credit	
		E	Collect	
			[16-11] Collect	
		P	Prepaid	
			[16-11] Prepaid	
<b>L112</b>	<b>276</b>	<b>Special Charge Description</b>		<b>O AN 2/25</b>
		Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150		
		[16-12] Special Charge Description		

**L113**      **257**      **Tariff Application Code**      **O**    **ID 1/1**

Code indicating to which traffic a tariff applies

[16-13] Tariff Application Code	
A	Intrastate - Intraplant [16-13] Intrastate - Intraplant
B	Interstate - Intraplant [16-13] Interstate - Intraplant
C	Commingled [16-13] Commingled
D	Reciprocal [16-13] Reciprocal
E	Intraterminal [16-13] Intraterminal
F	Interterminal [16-13] Interterminal
I	International [16-13] International
N	Interstate [16-13] Interstate
R	Regional [16-13] Regional
S	Intrastate [16-13] Intrastate

**L114**      **74**      **Declared Value**      **X**    **N2 2/12**

Monetary assigned value expressed in the standard monetary denomination for the currency specified

[16-14] Declared Value
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**L115**      **122**      **Rate/Value Qualifier**      **X**    **ID 2/2**

Code qualifying how to extend charges or interpret value

[16-15] Rate/Value Qualifier	
AA	Percent Of Amount Advanced [16-15] Percent Of Amount Advanced
AB	Accelerated [16-15] Accelerated
AC	Percent Of Amount Of Collection [16-15] Percent Of Amount Of Collection
AD	Addition [16-15] Addition
AE	Percent of Outstanding Principal Balance [16-15] Percent of Outstanding Principal Balance
AF	Percent of Original Principal Balance [16-15] Percent of Original Principal Balance
AV	Ad Valorum (Per Cent of Value) [16-15] Ad Valorum (Per Cent of Value)
B0	Per Board Feet [16-15] Per Board Feet
B1	Per 100 Board Feet [16-15] Per 100 Board Feet

BF	Per 1,000 Board Feet [16-15] Per 1,000 Board Feet
BL	Bill of Lading Declared Value [16-15] Bill of Lading Declared Value
BR	Per Barrel [16-15] Per Barrel
C5	Per 50 Cubic Feet [16-15] Per 50 Cubic Feet
CE	Ceiling [16-15] Ceiling
CF	Per 40 Cubic Feet (Measurement Ton) [16-15] Per 40 Cubic Feet (Measurement Ton)
CM	Per Cubic Meter [16-15] Per Cubic Meter
CO	Cost per Unit [16-15] Cost per Unit
CP	Computer Units [16-15] Computer Units
CS	Per Special Charge [16-15] Per Special Charge
CT	Charge or Credit Based on Percentage of Total [16-15] Charge or Credit Based on Percentage of Total
CW	Per Hundred Weight Describes a transportation rate that applies to every one hundred pounds of total weight of an individual shipment [16-15] Per Hundred Weight
DD	Department of Defense Unique Codes [16-15] Department of Defense Unique Codes
DE	Decrease [16-15] Decrease
DI	Divisor [16-15] Divisor
DP	Per \$1000 [16-15] Per \$1000
DR	Per Dromedary Service Shipment [16-15] Per Dromedary Service Shipment
DS	Per Hundredweight Per Mile Per Dromedary Service Shipment [16-15] Per Hundredweight Per Mile Per Dromedary Service Shipment
DV	Per Day Per Vehicle [16-15] Per Day Per Vehicle
EI	Ex Parte Increase [16-15] Ex Parte Increase
ER	Per Each Request [16-15] Per Each Request
FA	Floor [16-15] Floor
FB	Full [16-15] Full

FC	Flat Charge [16-15] Flat Charge
FF	Percent Of Tariff Rate [16-15] Percent Of Tariff Rate
FI	First [16-15] First
FL	Per Flat Bed [16-15] Per Flat Bed
FN	Per Two Weeks [16-15] Per Two Weeks
FR	Flat Rate [16-15] Flat Rate
FT	Per Foot [16-15] Per Foot
FV	Loaded to Full Visible Capacity [16-15] Loaded to Full Visible Capacity
GT	Per Gross Ton [16-15] Per Gross Ton
HD	Per Hundredweight Per Dromedary Service Shipment [16-15] Per Hundredweight Per Dromedary Service Shipment
HM	Rate Per Hundred Weight Per Mile [16-15] Rate Per Hundred Weight Per Mile
HN	Per Half Month [16-15] Per Half Month
HX	Hundredweight Per Day [16-15] Hundredweight Per Day
HY	Per Half Year [16-15] Per Half Year
IA	Increase [16-15] Increase
IM	Intermodal Unit [16-15] Intermodal Unit
IN	Per Inch [16-15] Per Inch
KG	Per Kilograms [16-15] Per Kilograms
KL	Per Kiloliter [16-15] Per Kiloliter
KP	Per Kilometer [16-15] Per Kilometer
KT	Per Kilotons [16-15] Per Kilotons
LA	Per Pound Per Article [16-15] Per Pound Per Article
LB	Per Pound [16-15] Per Pound
LF	Per Loaded 436L Pallet [16-15] Per Loaded 436L Pallet
LI	Liability per Pound per Piece [16-15] Liability per Pound per Piece

LL	Life of Loan [16-15] Life of Loan
LP	Per Label [16-15] Per Label
LR	Per Litre [16-15] Per Litre
LS	Lump Sum [16-15] Lump Sum
LT	Per Long Ton [16-15] Per Long Ton
LV	Per Pound Per Vehicle [16-15] Per Pound Per Vehicle
MA	Minimum per Service [16-15] Minimum per Service
MB	Per Mile per Service Describes a rate that applies to the distance over which a service is performed [16-15] Per Mile per Service
MC	Minimum Per Car [16-15] Minimum Per Car
MD	Per Man Per Day [16-15] Per Man Per Day
ME	Multiple Equipment [16-15] Multiple Equipment
MF	Maximum [16-15] Maximum
MG	Miles Per Week Per Driver [16-15] Miles Per Week Per Driver
MH	Per Man Per Hour [16-15] Per Man Per Hour
MI	Negative Charge [16-15] Negative Charge
MM	Per Metric Ton (Tonne) [16-15] Per Metric Ton (Tonne)
MN	Minimum [16-15] Minimum
MO	Per Month [16-15] Per Month
MP	Maximum Per Shipment [16-15] Maximum Per Shipment
MR	Per Mile Per Vehicle Used Per Round Trip [16-15] Per Mile Per Vehicle Used Per Round Trip
MS	Minimum Per Shipment [16-15] Minimum Per Shipment
MT	Per Permit [16-15] Per Permit
MU	Multiplier [16-15] Multiplier
MV	Per Mile Per Vehicle (Rail Car) Moved [16-15] Per Mile Per Vehicle (Rail Car) Moved

MW	Minimum Per Vehicle [16-15] Minimum Per Vehicle
MX	Mixed Shipment Rule [16-15] Mixed Shipment Rule
NA	Negative [16-15] Negative
NB	Nonamortizing [16-15] Nonamortizing
ND	Minimum Per Driver [16-15] Minimum Per Driver
NE	Net Package Charge [16-15] Net Package Charge
NM	Per Mile Per Person [16-15] Per Mile Per Person
NP	Minimum Per Day Per Person [16-15] Minimum Per Day Per Person
NV	Minimum Per Day Per Vehicle [16-15] Minimum Per Day Per Vehicle
OP	Optional Value [16-15] Optional Value
OS	Per Season [16-15] Per Season
OT	One-Time Charge [16-15] One-Time Charge
P0	Per Year per Square Foot [16-15] Per Year per Square Foot
P1	Per Advancement [16-15] Per Advancement
P8	Potential [16-15] Potential
P9	Partial [16-15] Partial
PA	Per Container [16-15] Per Container
PB	Per Barge [16-15] Per Barge
PC	Per Car [16-15] Per Car
PD	Per Day [16-15] Per Day
PE	Per 20 Foot Equivalent (TEU) [16-15] Per 20 Foot Equivalent (TEU)
PF	Per Cubic Foot [16-15] Per Cubic Foot
PG	Per Gallon [16-15] Per Gallon
PH	Per Hundred (of Basic Unit) [16-15] Per Hundred (of Basic Unit)

PI	Hourly Rate Per Vehicle [16-15] Hourly Rate Per Vehicle
PJ	Projected [16-15] Projected
PK	Per Cord [16-15] Per Cord
PL	Per Load [16-15] Per Load
PM	Per Mile [16-15] Per Mile
PN	Per Night [16-15] Per Night
PO	Positive [16-15] Positive
PP	Per Piece [16-15] Per Piece
PQ	Per Period [16-15] Per Period
PR	Per Hour [16-15] Per Hour
PS	Per Shipment [16-15] Per Shipment
PT	Per Net Ton [16-15] Per Net Ton
PU	Per Unit [16-15] Per Unit
PV	Per Vehicle [16-15] Per Vehicle
PW	Percentage of Charges [16-15] Percentage of Charges
PX	Payment [16-15] Payment
PY	Per Gallon Per Mile Describes a transportation rate that applies to every gallon for every mile the individual shipment is moved [16-15] Per Gallon Per Mile
PZ	Per Package Charge [16-15] Per Package Charge
QY	Per Quarter Year [16-15] Per Quarter Year
RA	Rate per Thousand [16-15] Rate per Thousand
RB	Rate per Hundred [16-15] Rate per Hundred
RC	Rate [16-15] Rate
RL	Per Relocation [16-15] Per Relocation

RP	Percent Of Rate [16-15] Percent Of Rate
RT	Per Vehicle Used Per Round Trip [16-15] Per Vehicle Used Per Round Trip
S0	Per 1000 Square Feet [16-15] Per 1000 Square Feet
S1	Per 100 Square Feet [16-15] Per 100 Square Feet
SA	Subtraction [16-15] Subtraction
SB	Subsequent [16-15] Subsequent
SC	Per Stencil [16-15] Per Stencil
SD	Shipper's Export Declaration Value [16-15] Shipper's Export Declaration Value
SE	Second [16-15] Second
SF	Per Square Feet [16-15] Per Square Feet
SG	Stated [16-15] Stated
SH	Scheduled [16-15] Scheduled
SP	Per Stop [16-15] Per Stop
ST	Per Short Ton [16-15] Per Short Ton
SU	Per Stack Car Unit [16-15] Per Stack Car Unit
SY	Square Yard [16-15] Square Yard
TB	Per 2 Trailers Same Day [16-15] Per 2 Trailers Same Day
TC	Per 3 Trailers Same Day [16-15] Per 3 Trailers Same Day
TD	Per 4 Trailers Same Day [16-15] Per 4 Trailers Same Day
TN	Per Train Rate [16-15] Per Train Rate
TP	Per Tag [16-15] Per Tag
TR	Per Trailer (Per Train) [16-15] Per Trailer (Per Train)
VA	Per Vehicle Moved Describes a transportation rate that applies to every vehicle conveyed in an individual shipment [16-15] Per Vehicle Moved

		VH	Per Vehicle Used Describes a transportation rate that applies to each vehicle used for the movement of an individual shipment [16-15] Per Vehicle Used	
		VM	Volume [16-15] Volume	
		VP	Maximum Per Vehicle [16-15] Maximum Per Vehicle	
		VR	Per Rail Car Used Describes a transportation rate that applies to each rail car used for the movement of an individual shipment [16-15] Per Rail Car Used	
		VS	Various [16-15] Various	
		VT	Per Mile per Vehicle Describes a rate that applies to the distance a conveying vehicle is used [16-15] Per Mile per Vehicle	
		VU	Per Mile Per Vehicle (Rail Car) Used [16-15] Per Mile Per Vehicle (Rail Car) Used	
		VV	Per Vehicle per State Describes a rate that applies to the number of security vehicles per state needed to surveil a shipment [16-15] Per Vehicle per State	
		WK	Per Week [16-15] Per Week	
		WM	Weight or Measurement [16-15] Weight or Measurement	
		XP	Maximum Per Person [16-15] Maximum Per Person	
		YR	Per Year [16-15] Per Year	
<b>L116</b>	<b>372</b>	<b>Lading Liability Code</b>		<b>O ID 1/1</b>
			Code identifying limits of liability [16-16] Lading Liability Code	
		F	Full Liability [16-16] Full Liability	
		L	Limited Liability [16-16] Limited Liability	
<b>L117</b>	<b>220</b>	<b>Billed/Rated-as Quantity</b>		<b>X R 1/11</b>
			Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81 [16-17] Billed/Rated-as Quantity	
<b>L118</b>	<b>221</b>	<b>Billed/Rated-as Qualifier</b>		<b>X ID 2/2</b>
			Code identifying the type of quantity or value on which the rate or item pricing is based [16-18] Billed/Rated-as Qualifier	
		AR	Appurtenance (Enhancements/Additions to Equipment) [16-18] Appurtenance (Enhancements/Additions to Equipment)	

BA	Barrels Identifies a billable unit expressed as a type of container [16-18] Barrels
BX	Box [16-18] Box
CC	Cubic Centimeter [16-18] Cubic Centimeter
CF	Cubic Foot [16-18] Cubic Foot
CM	Centimeter [16-18] Centimeter
DK	Kilometers [16-18] Kilometers
DM	Miles [16-18] Miles
DR	Drivers Identifies a billable unit expressed as persons operating equipment [16-18] Drivers
EA	Each [16-18] Each
FR	Flat Rate [16-18] Flat Rate
FT	Foot [16-18] Foot
GC	100 Gallons [16-18] 100 Gallons
GL	Gallon [16-18] Gallon
KG	Kilogram [16-18] Kilogram
LB	Pound [16-18] Pound
LC	100 Pounds [16-18] 100 Pounds
LH	100 Liters [16-18] 100 Liters
LR	Liter [16-18] Liter
MR	Mileage [16-18] Mileage
MT	Measurement Ton [16-18] Measurement Ton
MV	Monetary Value [16-18] Monetary Value
NB	Barge [16-18] Barge
NC	Car [16-18] Car

ND	Cord A volume measurement [16-18] Cord
NG	Nights Identifies a billable unit expressed as nights; one night is the period between 6 p.m. of a given day to 6 a.m. of the next [16-18] Nights
NL	Load [16-18] Load
NN	Train [16-18] Train
NP	Piece [16-18] Piece
NR	Container [16-18] Container
NT	Trailer [16-18] Trailer
NU	Unit A specific measurement in rating shipments [16-18] Unit
NV	Vehicle [16-18] Vehicle
OR	Other [16-18] Other
PK	Package [16-18] Package
PR	Persons Identifies a billable unit expressed as persons performing an additional service other than the operation of equipment [16-18] Persons
RV	Release Value [16-18] Release Value
SP	Stops Identifies a billable unit expressed as stops that are authorized as part of a shipment of goods [16-18] Stops
ST	Number of States [16-18] Number of States
SY	Square Yards [16-18] Square Yards
TD	Days [16-18] Days
TH	Hours [16-18] Hours
TN	Tons Identifies a billable unit expressed as short tons (2000 pounds) [16-18] Tons
TR	Time [16-18] Time

		VA	Actual Volume [16-18] Actual Volume	
		VC	Chargeable Volume [16-18] Chargeable Volume	
		VM	Volume Metric Unit [16-18] Volume Metric Unit	
	<b>L119</b>	<b>954</b>	<b>Percent</b>	<b>O R 1/10</b>
			Percentage expressed as a decimal [16-19] Percent	
	<b>L120</b>	<b>100</b>	<b>Currency Code</b>	<b>O ID 3/3</b>
			Code (Standard ISO) for country in whose currency the charges are specified [16-20] Currency Code Enter Standard ISO code for country in whose currency the charges are specified. 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 <a href="http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm">http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm</a> . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	
>>	<b>L121</b>	<b>610</b>	<b>Amount</b>	<b>O N2 1/15</b>
			Monetary amount [16-21] Amount	

**Segment:** **L3 Total Weight and Charges**  
**Position:** 010  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items

- Syntax Notes:**
- 1 If either L301 or L302 is present, then the other is required.
  - 2 If either L303 or L304 is present, then the other is required.
  - 3 If either L309 or L310 is present, then the other is required.
  - 4 If L312 is present, then L301 is required.
  - 5 If either L314 or L315 is present, then the other is required.

**Semantic Notes:** 1 L305 is the total charges.

**Comments:**

**Notes:** [17] L3 SEGMENT - Summary

#### Data Element Summary

Ref.	Data	Data Element Summary	
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
L301	81	<b>Weight</b>	<b>X R 1/10</b>
		Numeric value of weight	
		[17-01] Weight	
L302	187	<b>Weight Qualifier</b>	<b>X ID 1/2</b>
		Code defining the type of weight	
		[17-02] Weight Qualifier	
		G Gross Weight	
		[17-02] Gross Weight	
		N Actual Net Weight	
		[17-02] Actual Net Weight	
X	L303	<b>60 Freight Rate</b>	<b>X R 1/9</b>
		Rate that applies to the specific commodity	
X	L304	<b>122 Rate/Value Qualifier</b>	<b>X ID 2/2</b>
		Code qualifying how to extend charges or interpret value	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	L305	<b>58 Charge</b>	<b>O N2 1/12</b>
		For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	
		[17-05] Charge	
		Enter the grand total charge of all line items.	
X	L306	<b>191 Advances</b>	<b>O N2 1/9</b>
		Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified	
	L307	<b>117 Prepaid Amount</b>	<b>O N2 1/9</b>
		Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	
		[17-07] Prepaid Amount	
X	L308	<b>150 Special Charge or Allowance Code</b>	<b>O ID 3/3</b>
		Code identifying type of special charge or allowance	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	L309	<b>183 Volume</b>	<b>X R 1/8</b>
		Value of volumetric measure	
		[17-09] Volume	

**L310**      **184**      **Volume Unit Qualifier**      **X**      **ID 1/1**

Code identifying the volume unit

[17-10] Volume Unit Qualifier

B	Barge
	[17-10] Barge
C	Cubic Centimeters
	[17-10] Cubic Centimeters
D	Cord
	[17-10] Cord
E	Cubic Feet
	[17-10] Cubic Feet
F	100 Board Feet
	[17-10] 100 Board Feet
G	Gallons
	[17-10] Gallons
H	Hundreds of Measurement Tons
	[17-10] Hundreds of Measurement Tons
L	Load
	[17-10] Load
M	Cubic Decimeters
	[17-10] Cubic Decimeters
N	Cubic Inches
	[17-10] Cubic Inches
R	Car
	[17-10] Car
S	Measurement Ton
	[17-10] Measurement Ton
T	Container
	[17-10] Container
U	Volumetric Unit
	[17-10] Volumetric Unit
V	Liter
	[17-10] Liter
X	Cubic Meters
	[17-10] Cubic Meters

**L311**      **80**      **Lading Quantity**      **O**      **N0 1/7**

Number of units (pieces) of the lading commodity

[17-11] Lading Quantity

**L312**      **188**      **Weight Unit Code**      **O**      **ID 1/1**

Code specifying the weight unit

[17-12] Weight Unit Code

E	Metric Ton
	[17-12] Metric Ton
G	Grams
	[17-12] Grams
K	Kilograms
	[17-12] Kilograms
L	Pounds
	[17-12] Pounds
M	Measurement Ton
	[17-12] Measurement Ton

O	Ounces
	[17-12] Ounces
S	Short Ton
	[17-12] Short Ton
T	Long Ton
	[17-12] Long Ton

X	L313	171	<b>Tariff Number</b>	O AN 1/7
			Standard tariff number for the tariff which governs the rates applied to the commodity item(s)	
X	L314	74	<b>Declared Value</b>	X N2 2/12
			Monetary assigned value expressed in the standard monetary denomination for the currency specified	
X	L315	122	<b>Rate/Value Qualifier</b>	X ID 2/2
			Code qualifying how to extend charges or interpret value	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

**Segment:** **L1 Rate and Charges**

**Position:** 030

**Loop:** L1 Optional

**Level:** Summary

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

**Syntax Notes:** 1 If either L102 or L103 is present, then the other is required.

2 At least one of L104 L105 or L106 is required.

3 If either L114 or L115 is present, then the other is required.

4 If either L117 or L118 is present, then the other is required.

**Semantic Notes:** 1 L119 is the percent used to determine the charge in L104.

2 L120, if used, indicates the currency for all monetary amounts in this L1 segment.

3 L121 is the origin rated as charge amount.

**Comments:**

**Notes:** [18] L1 SEGMENT - Bill Level

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
L101	213	<b>Lading Line Item Number</b> Sequential line number for a lading item [18-01] Lading Line Item Number	O N0 1/3
L102	60	<b>Freight Rate</b> Rate that applies to the specific commodity [18-02] Freight Rate	X R 1/9
L103	122	<b>Rate/Value Qualifier</b> Code qualifying how to extend charges or interpret value [18-03] Rate/Value Qualifier	X ID 2/2
		BF Per 1,000 Board Feet [18-03] Per 1,000 Board Feet Use 'BF' to denote Per 1	
		CF Per 40 Cubic Feet (Measurement Ton) [18-03] Per 40 Cubic Feet (Measurement Ton)	
		CM Per Cubic Meter [18-03] Per Cubic Meter	
		CS Per Special Charge [18-03] Per Special Charge	
		KT Per Kilotons [18-03] Per Kilotons	
		LS Lump Sum [18-03] Lump Sum	
		LT Per Long Ton [18-03] Per Long Ton	
		MD Per Man Per Day [18-03] Per Man Per Day	
		PA Per Container [18-03] Per Container	
		PD Per Day [18-03] Per Day	
		PM Per Mile [18-03] Per Mile	

PP	Per Piece
	[18-03] Per Piece
PS	Per Shipment
	[18-03] Per Shipment
PU	Per Unit
	[18-03] Per Unit
PV	Per Vehicle
	[18-03] Per Vehicle
SP	Per Stop
	[18-03] Per Stop
ST	Per Short Ton
	[18-03] Per Short Ton

	<b>L104</b>	<b>58</b>	<b>Charge</b>	<b>X N2 1/12</b>
			For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	
			[18-04] Charge	
<b>X</b>	<b>L105</b>	<b>191</b>	<b>Advances</b>	<b>X N2 1/9</b>
			Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified	
	<b>L106</b>	<b>117</b>	<b>Prepaid Amount</b>	<b>X N2 1/9</b>
			Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	
			[18-06] Prepaid Amount	
<b>X</b>	<b>L107</b>	<b>120</b>	<b>Rate Combination Point Code</b>	<b>O AN 3/9</b>
			The code denoting the connecting station for a joint rate obtained by combining two or more published rates which are used for the calculation of transportation charges	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	<b>L108</b>	<b>150</b>	<b>Special Charge or Allowance Code</b>	<b>O ID 3/3</b>
			Code identifying type of special charge or allowance	
			[18-08] Special Charge or Allowance Code	
			295 Discount - Special	
			[18-08] Discount - Special	
			COF Ocean Freight	
			[18-08] Ocean Freight	
<b>X</b>	<b>L109</b>	<b>121</b>	<b>Rate Class Code</b>	<b>O ID 1/3</b>
			Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>L110</b>	<b>39</b>	<b>Entitlement Code</b>	<b>O ID 1/1</b>
			Code identifying entitlement party	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	<b>L111</b>	<b>16</b>	<b>Charge Method of Payment</b>	<b>O ID 1/1</b>
			Code defining method of payment	
			[18-11] Charge Method of Payment	
			P Prepaid	
			[18-11] Prepaid	

	<b>L112</b>	<b>276</b>	<b>Special Charge Description</b>	<b>O AN 2/25</b>
			Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150	
			[18-12] Special Charge Description	
<b>X</b>	<b>L113</b>	<b>257</b>	<b>Tariff Application Code</b>	<b>O ID 1/1</b>
			Code indicating to which traffic a tariff applies	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>L114</b>	<b>74</b>	<b>Declared Value</b>	<b>X N2 2/12</b>
			Monetary assigned value expressed in the standard monetary denomination for the currency specified	
<b>X</b>	<b>L115</b>	<b>122</b>	<b>Rate/Value Qualifier</b>	<b>X ID 2/2</b>
			Code qualifying how to extend charges or interpret value	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>L116</b>	<b>372</b>	<b>Lading Liability Code</b>	<b>O ID 1/1</b>
			Code identifying limits of liability	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	<b>L117</b>	<b>220</b>	<b>Billed/Rated-as Quantity</b>	<b>X R 1/11</b>
			Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	
			[18-17] Billed/Rated-as Quantity	
	<b>L118</b>	<b>221</b>	<b>Billed/Rated-as Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type of quantity or value on which the rate or item pricing is based	
			[18-18] Billed/Rated-as Qualifier	
			NR Container	
			[18-18] Container	
<b>X</b>	<b>L119</b>	<b>954</b>	<b>Percent</b>	<b>O R 1/10</b>
			Percentage expressed as a decimal	
<b>X</b>	<b>L120</b>	<b>100</b>	<b>Currency Code</b>	<b>O ID 3/3</b>
			Code (Standard ISO) for country in whose currency the charges are specified	
<b>X</b>	<b>L121</b>	<b>610</b>	<b>Amount</b>	<b>O N2 1/15</b>
			Monetary amount	

**Segment:** **K1** Remarks  
**Position:** 060  
**Loop:**  
**Level:** Summary  
**Usage:** Optional  
**Max Use:** 999  
**Purpose:** To transmit information in a free-form format for comment or special instruction  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** [19] K1 SEGMENT - Remarks

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	K101	61	<b>Free-Form Message</b> Free-form information [19-01] Free-Form Message	<b>M AN 1/30</b>
	K102	61	<b>Free-Form Message</b> Free-form information [19-02] Free-Form Message	<b>O AN 1/30</b>

**Segment:** **SE** Transaction Set Trailer  
**Position:** 080  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 SE is the last segment of each transaction set.

**Notes:** [20] SE SEGMENT - Freight Receipt and Invoice Trailer

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	SE01	96	<b>Number of Included Segments</b>	<b>M N0 1/10</b>
			Total number of segments included in a transaction set including ST and SE segments	
			[20-01] Number of Included Segments	
			Total segments in this transaction set including the ST and SE segments.	
M	SE02	329	<b>Transaction Set Control Number</b>	<b>M AN 4/9</b>
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			[20-02] 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.	

## Section 4.0

# IC ELEMENT MATRIX

### OVERVIEW

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

### PURPOSE

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

### HOW TO READ THE IC ELEMENT MATRIX

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

#### *Record Types*

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

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

#### *Two Categories of Record Information*

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

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

### *Matrix Layout*

The IC element matrix lists information in sixteen columns.

- IC Index Number (Index) enables designers and programmers to quickly cite a record in the matrix.
- IC Data Group Number (DG) is a number assigned by the IC developers. That number identifies an IC element with a group of elements that form a database table within the application data model. In order to quickly reference a table, Defense transportation developers label database tables with a Data Group number. For example, a “Bill To Address” may belong to the “PURCHASE ORDER” parent table with GRP = 10. A “Stop-off Delivery Address” may belong to the “ITEM DELIVERY” child table with GRP = 60. GRP = 0 means Data Group values have not been assigned.
- IC Data Element Name (Data Name) is a label for each data element using terminology common to the business environment. The IC element matrix identifies an element as a “Route Order Number Qualifier.” This is more concise than using the generic X12 label of “Qualifier.” A segment header record identifies the segment ID in this field.
- IC Notes & Codes (DoD Information Notes and Codes) can contain application notes about various segment and element conditions or requirements. This column may also list both X12 standard codes and DoD unique codes. If the list is larger than 20 codes, it may appear in the section that contains Code Lists.
- IC Attributes (Attributes). When part of a segment header record, this column indicates the usage of the segment. When part of an element record, this column indicates the usage of the element within the segment, if the segment is used. Attributes may differ from those in the ASC X12 standard. For example, if trading partners expect to exchange a purchase order number that has a specific length and structure, those attributes are described here. Attributes include requirement designator, data element type, minimum length and maximum length.
- X12 Transaction Set Table Number (Tabl).
- X12 Segment Position (Pos).
- X12 Requirement Designator (Req Des) . This column applies only to Segment Header type matrix records.
- X12 Maximum Usage (Max Use). This column applies only to Segment Header type matrix records.
- X12 Loop Repeat (Lp Rpt) indicates the number of times a loop may be used. This column applies only to Segment Header type matrix records.
- X12 Loop Level (Lp Lv). Loops may be nested within other loops. This column indicates the nesting level for each loop and applies only to Segment Header type matrix records.
- X12 Loop ID (Lp ID). This column applies only to Segment Header type matrix records.
- X12 Segment Reference Designator (Ref Des) . This column applies only to Element type matrix records.
- X12 Simple or Composite Data Element Number (DE#). This column applies only to Element type matrix records.

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

### *Sort Order of the Matrix*

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

### APPLICATION NOTES

The IC element matrix in this section maps data requirements for the Freight Receipt and Invoice (Ocean) into the ASC X12 Transaction Set 310 Freight Receipt and Invoice (Ocean). Transportation activities involved in the DoD electronic data interchange effort developed these requirements.

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

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		<b>ST SEGMENT - Freight Receipt and Invoice Header</b>	M		1	010	M	1						
1-01		Transaction Set Identifier Code 310 - Freight Receipt and Invoice (Ocean)	M	ID 3/3	1	010	M	1				ST01	143	M ID 3/3
					The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).									
1-02		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		<b>B3 SEGMENT - Invoice Information</b>	M		1	020	M	1						
					If either B309 or B310 is present, then the other is required.									
2-01		Shipment Qualifier Usage recommended. 2 - Sea Waybill B - Bill of Lading for Individual Shipment	C	ID 1/1	1	020	M	1				B301	147	O ID 1/1
2-02		Invoice Number Enter the carrier's bill of lading number.	M	AN 1/22	1	020	M	1				B302	76	M AN 1/22
2-03		Shipment Identification Number Usage recommended.	C	AN 1/30	1	020	M	1				B303	145	O AN 1/30
2-04		Shipment Method of Payment CC - Collect PP - Prepaid (by Seller)	M	ID 2/2	1	020	M	1				B304	146	M ID 2/2
2-06		Date	M	DT 8/8	1	020	M	1				B306	373	M DT 8/8
					B306 is the billing date.									
2-07		Net Amount Due Net amount due on the invoice.	M	N2 1/12	1	020	M	1				B307	193	M N2 1/12
2-09		Delivery Date	C	DT 8/8	1	020	M	1				B309	32	C DT 8/8
					On collect freight bills the data in B309 will be the actual delivery date. For the shipments invoiced prior to delivery, the B309 will be the estimated date of delivery.									
2-10		Date/Time Qualifier	C	ID 3/3	1	020	M	1				B310	374	C ID 3/3

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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	
2-11		Standard Carrier Alpha Code Enter the SCAC of the organization/company issuing the bill of lading and/or the sea waybill.  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	020	M	1				B311	140	M ID 2/4	
2-12		Date Enter the date the bill of lading or sea waybill was issued.	M DT 8/8	1	020	M	1				B312	373	O DT 8/8	
2-13		Tariff Service Code	C ID 2/2	1	020	M	1				B313	375	O ID 2/2	
3		<b>B2A SEGMENT - Set Purpose</b>	C	1	030	O	1							
3-01		Transaction Set Purpose Code 00 - Original  05 - Replace	M ID 2/2	1	030	O	1				B2A01	353	M ID 2/2	
3-02		Application Type BG - Government Bill of Lading  BL - Bill of Lading  SI - Single Shipment Invoice  SP - Multiple Shipment Invoice	C ID 2/2	1	030	O	1				B2A02	346	O ID 2/2	
4		<b>N9 SEGMENT - Contract</b>	C	1	060	O	15							
				At least one of N902 or N903 is required. If N906 is present, then N905 is required.										

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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			
4-01		Reference Identification Qualifier 1J - Facility ID Number  3X - Subcontract Number <i>Use '3X' to denote Contract Number.</i>  CH - Customer catalog number <i>Use 'CH' to denote Commodity Code from Original Booking from IBS.</i>  CR - Customer Reference Number <i>Use 'CR' to denote Consignee DoDAAC.</i>  CT - Contract Number <i>Use 'CT' to denote Another Contract Number.</i>  D0 - Data Reliability Code  DO - Delivery Order Number <i>Use 'DO' to denote Consignor DoDAAC.</i>  FI - File Identifier <i>Use 'FI' to denote Port Call File Number (PCFN).</i>  TG - Transportation Control Number (TCN) <i>Use 'TG' to denote Container TCN. (Do not use for break bulk.).</i>	M	ID	2/2	1	060	O	15				N901	128	M	ID	2/3
4-02		Reference Identification Usage recommended.	M	AN	1/30	1	060	O	15				N902	127	C	AN	1/30
5		<b>V1 SEGMENT - Vessel Identification</b>	M			1	070	M	2								
																	At least one of V101 or V102 is required. If V108 is present, then V101 is required.
5-01		Vessel Code Enter Lloyd's call sign number.  SOURCE: Lloyd's Register of Shipping	M	ID	1/8	1	070	M	2				V101	597	C	ID	1/8
5-02		Vessel Name SOURCE: Lloyd's Register of Shipping	M	AN	2/28	1	070	M	2				V102	182	C	AN	2/28

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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		
5-03		Country 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 <a href="http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm">http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm</a> . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	M ID 2/3	1	070	M	2				V103	26	O	ID 2/3	
				V103 is the code identifying the country in which the ship (vessel) is registered.											
5-04		Flight/Voyage Number  Enter ocean carrier VOYDOC number.	M AN 2/10	1	070	M	2				V104	55	O	AN 2/10	
5-05		Standard Carrier Alpha Code  SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	C ID 2/4	1	070	M	2				V105	140	O	ID 2/4	
				V105 identifies the ocean carrier.											
5-08		Vessel Code Qualifier  C - Ship's Radio Call Signal  L - Lloyd's Register of Shipping	C ID 1/1	1	070	M	2				V108	897	O	ID 1/1	
6		<b>N1 SEGMENT - Entity Identification</b>	M	1	130	M	1	10	1	N1					
				At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.											
6-01		Entity Identifier Code  CI - Consignor  CN - Consignee  SH - Shipper	M ID 2/2	1	130	M	1	10	1	N1	N101	98	M	ID 2/3	
6-02		Name	M AN 1/60	1	130	M	1	10	1	N1	N102	93	C	AN 1/60	

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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			
6-03		Identification Code Qualifier Code designating the system/method of code structure used for Identification Code Usage recommended.  1 - D-U-N-S Number, Dun & Bradstreet <i>Use '1' to denote D-U-N-S Number.</i>  10 - Department of Defense Activity Address Code (DODAAC)  16 - ZIP Code  25 - Carrier's Customer Code  <i>Use '25' to denote Carriers Customer Code.</i>  3 - Federal Maritime Commission (Ocean) (FMC)  9 - D-U-N-S+4, D-U-N-S Number with Four Character Suffix  <i>Use '9' to denote D-U-N-S+4.</i>	C	ID	1/2	1	130	M	1	10	1	N1	N103	66	C	ID	1/2
6-04		Identification Code	C	AN	2/80	1	130	M	1	10	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.												
7		<b>N2 SEGMENT - Additional Entity Identification</b>	C			1	140	O	1	10	1	N1					
7-01		Name	M	AN	1/60	1	140	O	1	10	1	N1	N201	93	M	AN	1/60
7-02		Name	C	AN	1/60	1	140	O	1	10	1	N1	N202	93	O	AN	1/60
8		<b>N3 SEGMENT - Entity Address</b>	M			1	150	O	2	10	1	N1					
8-01		Address Information	M	AN	1/55	1	150	O	2	10	1	N1	N301	166	M	AN	1/55
8-02		Address information	C	AN	1/55	1	150	O	2	10	1	N1	N302	166	O	AN	1/55
9		<b>N4 SEGMENT - Entity</b>	M			1	160	O	1	10	1	N1					
					If N406 is present, then N405 is required.												
9-01		City Name	C	AN	2/30	1	160	O	1	10	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.												
9-02		State or Province Code SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	1	160	O	1	10	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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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		
9-03		Postal Code 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	160	O	1	10	1	N1	N403	116	O	ID	3/15
9-04		Country 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 <a href="http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm">http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm</a> . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C ID 2/3	1	160	O	1	10	1	N1	N404	26	O	ID	2/3
9-05		Location Qualifier SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)  See Section 6 for list of data values.	C ID 1/2	1	160	O	1	10	1	N1	N405	309	C	ID	1/2
9-06		Location Identifier	C AN 1/30	1	160	O	1	10	1	N1	N406	310	O	AN	1/30
10		<b>R4 SEGMENT - POD</b>	M	1	180	M	1	20	1	R4					
10-01		Port or Terminal Function Code 1 - Final Port of Discharge (Operational)  D - Port of Discharge (Operational)  L - Port of Loading (Operational)	M ID 1/1	1	180	M	1	20	1	R4	R401	115	M	ID	1/1
10-02		Location Qualifier Code value 'D' or 'K' must be used as a minimum.  SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)  CI - City  D - Census Schedule D  IM - Military Standard Movement Procedures (MILSTAMP)  K - Census Schedule K  L - Local Address  PS - 5 Digit U.S. ZIP	M ID 1/2	1	180	M	1	20	1	R4	R402	309	C	ID	1/2

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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		
10-03		Location Identifier Usage recommended.	C AN 1/30	1	180	M	1	20	1	R4	R403	310	C	AN	1/30
10-04		Port Name	C AN 2/24	1	180	M	1	20	1	R4	R404	114	O	AN	2/24
10-05		Country 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 <a href="http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm">http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm</a> . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C ID 2/3	1	180	M	1	20	1	R4	R405	26	O	ID	2/3
11		<b>LX SEGMENT - Detail Loop</b> Use the N7 loop for container level and the L0 loop for commodity level data.	M	2	010	M	1	999	1	LX					
11-01		Assigned Number	M N0 1/6	2	010	M	1	999	1	LX	LX01	554	M	N0	1/6
12		<b>N7 SEGMENT - Container</b> Use the N7 loop for container level and the L0 loop for commodity level data.	C	2	020	O	1	999	2	N7					
12-01		Equipment Initial Enter the container prefix.  SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association	C AN 1/4	2	020	O	1	999	2	N7	N701	206	O	AN	1/4
12-02		Equipment Number Container number with the check digit.	M AN 1/10	2	020	O	1	999	2	N7	N702	207	M	AN	1/10
12-03		Weight	C R 1/10	2	020	O	1	999	2	N7	N703	81	C	R	1/10
12-04		Weight Qualifier G - Gross Weight	C ID 1/1	2	020	O	1	999	2	N7	N704	187	C	ID	1/2
12-10		Ownership Code ELEMENT CONDITION: Data element used only for Government-owned equipment.  S - Customer Owned or Leased  <i>Use 'S' to denote Government Owned Equipment.</i>	C ID 1/1	2	020	O	1	999	2	N7	N710	102	O	ID	1/1

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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			
12-11		Equipment Description Code See Section 6 for list of data values.	C	ID	2/2	2	020	O	1	999	2	N7	N711	40	O	ID	2/2
12-15		Equipment Length	C	N0	4/5	2	020	O	1	999	2	N7	N715	567	O	N0	4/5
12-17		Weight Unit Code 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	020	O	1	999	2	N7	N717	188	O	ID	1/1

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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		
12-19		Type of Service Code AI - Transport Mode Change BB - Breakbulk CS - Container Station CY - Container Yard DD - Door to Door DR - Door to Ramp HA - Haulage HH - House-to-house HL - Headload or Devanning HP - House-to-pier MC - Multi-country Consolidation MD - Mixed Delivery NC - Non-containerized cargo PH - Pier-to-house PP - Pier-to-pier RD - Ramp to Door RE - Ramp to Ramp RR - Roll-on Roll-off	C	ID	2/2	2	020	O	1	999	2	N7	N719	56	O ID	2/2
12-22		Equipment Type Enter four-digit equipment type designator. The source for these codes is the Identification Marking Code For Freight Containers (ISO 6346-1995).  SOURCE: Identification Marking Code for Freight Containers (ISO 6346-1995) available from American National Standards Institute	C	ID	4/4	2	020	O	1	999	2	N7	N722	24	O ID	4/4
13		<b>L1 SEGMENT - Line Item</b>	C			2	070	O	1	20	3	L1				
13-01		Lading Line Item Number	C	N0	1/3	2	070	O	1	20	3	L1	L101	213	O N0	1/3
13-02		Freight Rate Enter the rate for the service provided in DE L108.	M	R	1/9	2	070	O	1	20	3	L1	L102	60	C R	1/9

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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			
13-03		Rate/Value Qualifier See Section 6 for list of data values.	M	ID	2/2	2	070	O	1	20	3	L1	L103	122	C	ID	2/2
13-04		Charge	M	N2	1/12	2	070	O	1	20	3	L1	L104	58	C	N2	1/12
13-05		Advances	C	N2	1/9	2	070	O	1	20	3	L1	L105	191	C	N2	1/9
13-06		Prepaid Amount	C	N2	1/9	2	070	O	1	20	3	L1	L106	117	C	N2	1/9
13-08		Special Charge or Allowance Code 295 - Discount - Special  420 - Hazardous Materials Handling Fee - Domestic  AAS - Attendants Accompanying  COP - Port Changes  CTL - Controlled Atmosphere  DFD - Keep from Freezing Percent Differential  EXL - Extra Length  FCS - Furnishing Chassis  GMS - Garment Surcharge  HZD - Hazardous Cargo on Deck  MAE - Monthly Rental  MAT - Modified Atmosphere  PTS - Protective Tarp for Security Purposes  RSP - Reshipment  SSC - Stripping, Sorting, and Consolidation  STQ - Stopoff at Origination  VVP - Vehicle Prep Charge (courtesy delivery)	C	ID	3/3	2	070	O	1	20	3	L1	L108	150	O	ID	3/3
13-09		Rate Class Code See Section 6 for list of data values.	C	ID	1/3	2	070	O	1	20	3	L1	L109	121	O	ID	1/3

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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	
13-10		Entitlement Code A - Agent B - Broker C - Consignee D - Destination Carrier E - Forwarder or Agent I - Issuing Carrier S - Shipper Z - Mutually Defined	C	ID	1/1	2	070	O	1	20	3	L1	L110	39	O ID 1/1
13-11		Charge Method of Payment A - Prepaid Cash B - Prepaid Credit C - Collect Cash D - Collect Credit E - Collect P - Prepaid	C	ID	1/1	2	070	O	1	20	3	L1	L111	16	O ID 1/1
13-12		Special Charge Description	C	AN	2/25	2	070	O	1	20	3	L1	L112	276	O AN 2/25
13-13		Tariff Application Code A - Intrastate - Intraplant B - Interstate - Intraplant C - Commingled D - Reciprocal E - Intraterminal F - Interterminal I - International N - Interstate R - Regional S - Intrastate	C	ID	1/1	2	070	O	1	20	3	L1	L113	257	O 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	
13-14		Declared Value	C N2 2/12	2	070	O	1	20	3	L1	L114	74	C N2	2/12
13-15		Rate/Value Qualifier See Section 6 for list of data values.	C ID 2/2	2	070	O	1	20	3	L1	L115	122	C ID	2/2
13-16		Lading Liability Code F - Full Liability L - Limited Liability	C ID 1/1	2	070	O	1	20	3	L1	L116	372	O ID	1/1
13-17		Billed/Rated-as Quantity	C R 1/11	2	070	O	1	20	3	L1	L117	220	C R	1/11
13-18		Billed/Rated-as Qualifier See Section 6 for list of data values.	C ID 2/2	2	070	O	1	20	3	L1	L118	221	C ID	2/2
13-19		Percent	C R 1/10	2	070	O	1	20	3	L1	L119	954	O R	1/10
				L119 is the percent used to determine the charge in L104.										
13-20		Currency Code Enter Standard ISO code for country in whose currency the charges are specified.  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 <a href="http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm">http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm</a> . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C ID 3/3	2	070	O	1	20	3	L1	L120	100	O ID	3/3
				L120, if used, indicates the currency for all monetary amounts in this L1 segment.										
14		<b>L0 SEGMENT - Commodity Item</b> Use the L0 segment for commodity level data.	M	2	150	O	1	120	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.										
14-01		Lading Line Item Number	C N0 1/3	2	150	O	1	120	2	L0	L001	213	O N0	1/3
14-04		Weight	M R 1/10	2	150	O	1	120	2	L0	L004	81	C R	1/10
14-05		Weight Qualifier G - Gross Weight	M ID 1/1	2	150	O	1	120	2	L0	L005	187	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			
14-06		Volume Usage recommended.	C	R	1/8	2	150	O	1	120	2	L0	L006	183	C	R	1/8
14-07		Volume Unit Qualifier B - Barge C - Cubic Centimeters D - Cord E - Cubic Feet F - 100 Board Feet G - Gallons H - Hundreds of Measurement Tons L - Load M - Cubic Decimeters N - Cubic Inches R - Car S - Measurement Ton T - Container U - Volumetric Unit V - Liter X - Cubic Meters	C	ID	1/1	2	150	O	1	120	2	L0	L007	184	C	ID	1/1
14-08		Lading Quantity	C	N0	1/7	2	150	O	1	120	2	L0	L008	80	C	N0	1/7
L008 is the number of handling units of the line item tendered to the carrier.																	
14-09		Packaging Form Code See Section 6 for list of data values.	C	ID	3/3	2	150	O	1	120	2	L0	L009	211	C	ID	3/3

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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	
14-11		Weight Unit Code 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	150	O	1	120	2	L0	L011	188	O ID 1/1
14-12		Type of Service Code HH - House-to-house HP - House-to-pier PH - Pier-to-house PP - Pier-to-pier	C	ID	2/2	2	150	O	1	120	2	L0	L012	56	O ID 2/2
15		<b>L5 SEGMENT - Line Item Description</b>	M			2	160	O	999	120	2	L0			
15-01		Lading Line Item Number	C	N0	1/3	2	160	O	999	120	2	L0	L501	213	O N0 1/3
15-02		Lading Description	C	AN	1/50	2	160	O	999	120	2	L0	L502	79	O AN 1/50
15-03		Commodity Code	C	AN	1/30	2	160	O	999	120	2	L0	L503	22	C AN 1/30
15-04		Commodity Code Qualifier B - U.S. Foreign Trade Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported from the United States  <i>Use 'B' to denote U.S. Foreign Trade Schedule B.</i>  I - Milstamp AITC or Water Commodity Code  J - Harmonized System-Based Schedule B	C	ID	1/1	2	160	O	999	120	2	L0	L504	23	C 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	
15-05		Packaging Code See Section 6 for list of data values.	C	AN	3/5	2	160	O	999	120	2	L0	L505	103	O AN 3/5
15-06		Marks and Numbers Required for breakbulk cargo. For code value 'SM' enter the TCN for breakbulk.	C	AN	1/48	2	160	O	999	120	2	L0	L506	87	C AN 1/48
15-07		Marks and Numbers Qualifier SM - Shipper Assigned	C	ID	1/2	2	160	O	999	120	2	L0	L507	88	O ID 1/2
15-10		Compartment ID Code 1 - Brake End 2 - 2nd from Brake End 3 - 3rd from Brake End 4 - 4th from Brake End 5 - 5th from Brake End 6 - 6th from Brake End	C	ID	1/1	2	160	O	999	120	2	L0	L510	595	O ID 1/1
16		<b>L1 SEGMENT - Line Item Rate and Charges</b>	C			2	170	O	1	20	3	L1			
16-01		Lading Line Item Number	C	N0	1/3	2	170	O	1	20	3	L1	L101	213	O N0 1/3
16-02		Freight Rate	M	R	1/9	2	170	O	1	20	3	L1	L102	60	C R 1/9

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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			
16-03		Rate/Value Qualifier BF - Per 1,000 Board Feet <i>Use 'BF' to denote Per 1.</i> CF - Per 40 Cubic Feet (Measurement Ton) CM - Per Cubic Meter CS - Per Special Charge KT - Per Kilotons LS - Lump Sum LT - Per Long Ton MD - Per Man Per Day PA - Per Container PD - Per Day PM - Per Mile PP - Per Piece PS - Per Shipment PU - Per Unit PV - Per Vehicle SP - Per Stop ST - Per Short Ton	M	ID	2/2	2	170	O	1	20	3	L1	L103	122	C	ID	2/2
16-04		Charge	M	N2	1/12	2	170	O	1	20	3	L1	L104	58	C	N2	1/12
16-05		Advances	C	N2	1/9	2	170	O	1	20	3	L1	L105	191	C	N2	1/9
16-07		Rate Combination Point Code FSAC - Rail IATA - Air R260 - Association of American Railroads Accounting Rule 260 SPLC - Motor	C	AN	3/9	2	170	O	1	20	3	L1	L107	120	O	AN	3/9

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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		
16-08		Special Charge or Allowance Code 295 - Discount - Special  AAS - Attendants Accompanying  DEM - Demurrage  DFD - Keep from Freezing Percent Differential  LSH - Lashing  RST - Respotting  WEA - Weather Protection	M	ID	3/3	2	170	O	1	20	3	L1	L108	150	O ID	3/3
16-09		Rate Class Code See Section 6 for list of data values.	C	ID	1/3	2	170	O	1	20	3	L1	L109	121	O ID	1/3
16-10		Entitlement Code A - Agent  B - Broker  C - Consignee  D - Destination Carrier  E - Forwarder or Agent  I - Issuing Carrier  S - Shipper  Z - Mutually Defined	C	ID	1/1	2	170	O	1	20	3	L1	L110	39	O ID	1/1
16-11		Charge Method of Payment A - Prepaid Cash  B - Prepaid Credit  C - Collect Cash  D - Collect Credit  E - Collect  P - Prepaid	C	ID	1/1	2	170	O	1	20	3	L1	L111	16	O ID	1/1
16-12		Special Charge Description	C	AN	2/25	2	170	O	1	20	3	L1	L112	276	O AN	2/25

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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			
16-13		Tariff Application Code A - Intrastate - Intraplant B - Interstate - Intraplant C - Commingled D - Reciprocal E - Intraterminal F - Interterminal I - International N - Interstate R - Regional S - Intrastate	C	ID	1/1	2	170	O	1	20	3	L1	L113	257	O	ID	1/1
16-14		Declared Value	C	N2	2/12	2	170	O	1	20	3	L1	L114	74	C	N2	2/12
16-15		Rate/Value Qualifier See Section 6 for list of data values.	C	ID	2/2	2	170	O	1	20	3	L1	L115	122	C	ID	2/2
16-16		Lading Liability Code F - Full Liability L - Limited Liability	C	ID	1/1	2	170	O	1	20	3	L1	L116	372	O	ID	1/1
16-17		Billed/Rated-as Quantity	C	R	1/11	2	170	O	1	20	3	L1	L117	220	C	R	1/11
16-18		Billed/Rated-as Qualifier See Section 6 for list of data values.	C	ID	2/2	2	170	O	1	20	3	L1	L118	221	C	ID	2/2
16-19		Percent	C	R	1/10	2	170	O	1	20	3	L1	L119	954	O	R	1/10
L119 is the percent used to determine the charge in L104.																	

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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	
16-20		Currency Code Enter Standard ISO code for country in whose currency the charges are specified.  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 <a href="http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm">http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm</a> . Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C ID 3/3	2	170	O	1	20	3	L1	L120	100	O ID 3/3	
				L120, if used, indicates the currency for all monetary amounts in this L1 segment.										
16-21		Amount	M N2 1/15	2	170	O	1	20	3	L1	L121	610	O N2 1/15	
				L121 is the origin rated as charge amount.										
17		<b>L3 SEGMENT - Summary</b>	M	3	010	M	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.										
17-01		Weight	C R 1/10	3	010	M	1				L301	81	C R 1/10	
17-02		Weight Qualifier G - Gross Weight  N - Actual Net Weight	C ID 1/1	3	010	M	1				L302	187	C ID 1/2	
17-05		Charge Enter the grand total charge of all line items.	C N2 1/12	3	010	M	1				L305	58	O N2 1/12	
17-07		Prepaid Amount	C N2 1/9	3	010	M	1				L307	117	O N2 1/9	
17-09		Volume	C R 1/8	3	010	M	1				L309	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		
17-10		Volume Unit Qualifier B - Barge C - Cubic Centimeters D - Cord E - Cubic Feet F - 100 Board Feet G - Gallons H - Hundreds of Measurement Tons L - Load M - Cubic Decimeters N - Cubic Inches R - Car S - Measurement Ton T - Container U - Volumetric Unit V - Liter X - Cubic Meters	C	ID	1/1	3	010	M	1			L310	184	C	ID	1/1
17-11		Lading Quantity	C	N0	1/7	3	010	M	1			L311	80	O	N0	1/7
17-12		Weight Unit Code E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	C	ID	1/1	3	010	M	1			L312	188	O	ID	1/1

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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			
18		<b>L1 SEGMENT - Bill Level</b>	C		3	030	O	1	20	1	L1						
					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.												
18-01		Lading Line Item Number	C	N0	1/3	3	030	O	1	20	1	L1	L101	213	O	N0	1/3
18-02		Freight Rate	C	R	1/9	3	030	O	1	20	1	L1	L102	60	C	R	1/9
18-03		Rate/Value Qualifier BF - Per 1,000 Board Feet  <i>Use 'BF' to denote Per 1.</i> CF - Per 40 Cubic Feet (Measurement Ton) CM - Per Cubic Meter CS - Per Special Charge KT - Per Kilotons LS - Lump Sum LT - Per Long Ton MD - Per Man Per Day PA - Per Container PD - Per Day PM - Per Mile PP - Per Piece PS - Per Shipment PU - Per Unit PV - Per Vehicle SP - Per Stop ST - Per Short Ton	C	ID	2/2	3	030	O	1	20	1	L1	L103	122	C	ID	2/2
18-04		Charge	C	N2	1/12	3	030	O	1	20	1	L1	L104	58	C	N2	1/12
18-06		Prepaid Amount	C	N2	1/9	3	030	O	1	20	1	L1	L106	117	C	N2	1/9

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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			
18-08		Special Charge or Allowance Code 295 - Discount - Special COF - Ocean Freight	C	ID	3/3	3	030	O	1	20	1	L1	L108	150	O	ID	3/3
18-11		Charge Method of Payment P - Prepaid	C	ID	1/1	3	030	O	1	20	1	L1	L111	16	O	ID	1/1
18-12		Special Charge Description	C	AN	2/25	3	030	O	1	20	1	L1	L112	276	O	AN	2/25
18-17		Billed/Rated-as Quantity	C	R	1/11	3	030	O	1	20	1	L1	L117	220	C	R	1/11
18-18		Billed/Rated-as Qualifier NR - Container	C	ID	2/2	3	030	O	1	20	1	L1	L118	221	C	ID	2/2
19		<b>K1 SEGMENT - Remarks</b>	C			3	060	O	999								
19-01		Free-Form Message	M	AN	1/30	3	060	O	999				K101	61	M	AN	1/30
19-02		Free-Form Message	C	AN	1/30	3	060	O	999				K102	61	O	AN	1/30
20		<b>SE SEGMENT - Freight Receipt and Invoice Trailer</b>	M			3	080	M	1								
																	SE is the last segment of each transaction set.
20-01		Number of Included Segments Total segments in this transaction set including the ST and SE segments.	M	NO	1/10	3	080	M	1				SE01	96	M	NO	1/10
20-02		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	080	M	1				SE02	329	M	AN	4/9

## Section 6.0

### APPLICATION CODE LISTS

## 9-05 -- Location Qualifier

Data Value - Definition
10 - Nearest Cross Street
11 - Secondary Cross Street
12 - Range
13 - Section
14 - Quarter Section
18 - Marker Identifier Location
19 - Route
20 - Route Subdivision
21 - Grid Location
22 - Page
27 - Marker Type
28 - Latitude-Longitude Source
29 - Map Source
30 - Map Reference
31 - Grid Source
32 - Aliquot
33 - Block
34 - District
35 - Drainhole Number
36 - City Block
38 - Footage Call Direction
39 - Location Direction
40 - Outer Continental Lease Location
41 - Lot
42 - Map Quadrangle
43 - Principal Meridian
44 - Outer Continental Shelf Area
45 - Outer Continental Shelf Block
46 - Official Protraction Diagram
47 - Quarter Quarter Quarter Section
48 - Quarter Quarter Section
49 - Section Type
50 - Abstract
52 - Labor
53 - League
54 - Survey
55 - Tier
57 - Tract
58 - Universal Transverse Mercator Quadrant
59 - Course Direction
60 - Area
93 - Sender's Location Code
94 - Receiver's Location Code
A - Jurisdiction to Receive Credit for Uniform Commercial Code Filing
A1 - Office
AA - Annual Statements Mailing Address
AC - City and State
AP - All Points
AR - Armed Services Location Designation
B - Transmitting Utility
B1 - Branch
BE - Business Economic Area (BEA) Region Code
BL - Government Bill of Lading Office Code (GBLOC)
BS - Place of Business
C - Consignor
C2 - Geopolitical Name Code
CA - Country of Origin
CB - Confirmation Mailing Address
CC - Country
CD - Canadian Customs Office Code
CE - Correspondence Mailing Address
CI - City
CL - National Rate Basis (NRB)
CO - County/Parish and State
CR - In Tank Car
CS - Canadian SPLC
CY - County/Parish
D - Census Schedule D
DC - Distribution Center Number
DE - Destination (Shipping)
DL - Delivery Location
DO - District Office
DP - Department
DR - District of Residence
DT - Domicile Type Code
E - Uniform Commercial Code Filing Office
EA - Event Location
EL - Employer Location

## 9-05 -- Location Qualifier (CONT)

Data Value - Definition
F - Current Address
FA - Factory
FE - Freight Equalization Point
FF - Foreign Freight Forwarder Location
FI - Federal Information Processing Standards (FIPS) 55 (Named Populated Places)
FR - U.S. Custom's Facilities Information and Resource Management Systems (FIRMS)
FS - Freight Station Accounting Code
FT - Foreign Trade Zone
FV - Free Alongside Vessel (Free On Board [F.O.B.] Point)
GL - Freight Station Geographic Location
H - Home Address
I - Home Base Address
IA - International Air Transport Association (IATA) Location Qualifier
IB - Issue Location
IM - Military Standard Movement Procedures (MILSTAMP)
IP - Postal
IS - In Store
IT - Intermediate FOB Point
K - Census Schedule K
KE - Port of Embarkation
KL - Port of Loading
KP - Government Furnished Property FOB Point
L - Local Address
LO - Local Office
M - Mailing Address
MI - Mill
MS - Metropolitan Sampling Area (MSA) Region Code
MZ - Mexican Postal Code
NS - City/State from Points
O - Office Address
OA - Origin (After Loading on Equipment)
OF - Other Unlisted Free On Board (FOB) Point
OL - Open and Prepay Station List Code(SCAC & Number)
OP - Other Unlisted Acceptance Point
OR - Origin (Shipping Point)
OV - On Vessel (Free On Board [FOB] point)
P - Permanent Address
PA - Port of Arrival
PB - Port of Discharge
PC - Policy Mailing Address
PD - Place of Delivery
PE - Port of Entry
PF - Parents Address
PG - Primary
PH - Prior Business
PL - Plant
PO - Principal Servicing Office
PP - Pool Point
PQ - 3 Digit U.S. ZIP
PR - 4 Digit U.S. ZIP
PS - 5 Digit U.S. ZIP
PT - 3 Digit Canadian Postal Code
PU - 6 Digit Canadian Postal Code
RA - Rate Area Code
RC - In Rail Car
RE - Regional Education Service Agency
RG - Region Code
RJ - Region
RL - Rural
RS - Standard Carrier Alpha Code
RT - Route Administrative Message To
SA - Secondary
SB - Suburban
SC - City/State and Points Within
SD - School District
SE - Summer
SG - Storage
SH - School Campus Code
SL - U.S. SPLC
SN - Store Number
SP - State/Province
SS - School
ST - In Storage Tank
SW - Switching District
TA - Tank
TC - Transcontinental Freight Bureau
TL - Terminal Cargo Location
TM - Terminal

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## 9-05 -- Location Qualifier (CONT)

Data Value - Definition
TN - Township TP - Temporary TR - Rail Territory TX - Taxing District UN - United Nations Location Code (UNLOCODE) UR - Urban UT - Business Unit VA - Vacation VI - Village VS - Vessel Stowage Location W - Worldwide Geographic Location Code WF - Wharf WH - Warehouse WI - Winter ZN - Zone Code ZZ - Mutually Defined

## 12-11 -- Equipment Description Code

### Data Value - Definition

20 - 20 ft. IL Container (Open Top)  
2B - 20 ft. IL Container (Closed Top)  
2D - Control Unit  
2E - Helper Unit  
2F - Roadrailer  
2G - Cut-in Helper  
40 - 40 ft. IL Container (Open Top)  
4B - 40 ft. IL Container (Closed Top)  
AC - Closed Container  
AF - Air Freight (Break Bulk)  
AL - Container, Aluminum  
AP - Aircraft  
AT - Closed Container (Controlled Temperature)  
BC - Covered Barge  
BE - Bilevel Railcar Fully Open  
BF - Bilevel Railcar Fully Enclosed  
BG - Bogie  
BH - Bilevel Railcar Screened With Roof  
BJ - Bilevel Railcar Screened, No Roof  
BK - Container, Bulk  
BO - Barge Open  
BR - Barge  
BX - Boxcar  
CA - Caboose  
CB - Chassis, Gooseneck  
CC - Container resting on a Chassis  
CD - Container with Bag Hangers  
CG - Container, Tank (Gas)  
CH - Chassis  
CI - Container, Insulated  
CJ - Container, Insulated/Ventilated  
CK - Container, Heated/Insulated/Ventilated  
CL - Container (Closed Top - Length Unspecified)  
CM - Container, Open-Sided  
CN - Container  
CP - Coil Car Open  
CQ - Container, Tank (Food Grade-Liquid)  
CR - Coil-Car Covered  
CS - Container-Low Side Open Top  
CT - Container-High Side Open Top  
CU - Container (Open Top - Length Unspecified)  
CV - Closed Van  
CW - Container, Tank (Chemicals)  
CX - Container, Tank  
CZ - Refrigerated Container  
DD - Double-Drop Trailer  
DF - Container with Flush Doors  
DT - Drop Back Trailer  
DX - Boxcar, Damage Free Equipped  
ET - End of Train Device  
FF - Frozen Food Trailer  
FH - Flat Bed Trailer with Headboards  
FN - Flat Bed Trailer with No Headboards  
FP - Flatcar With Pedestal  
FR - Flat Bed Trailer - Removable Sides  
FS - Container with Floor Securing Rings  
FT - Flat Bed Trailer  
FX - Boxcar Cushion Under Frame OF  
GS - Generator Set  
HB - Container with Hangar Bars  
HC - Hopper Car (Covered)  
HO - Hopper Car (Open)  
HP - Hopper Car (Covered; Pneumatic Discharge)  
HT - Head of Train Device  
HV - High Cube Van  
HY - Hydrant-Cart  
ID - Idler Car  
IX - Boxcar (Insulated)  
LO - Locomotive  
LS - Half Height Flat Rack  
LU - Load/unload Device on Equipment  
NX - Boxcar (Interior Bulkheads)  
OB - Ocean Vessel (Break Bulk)  
OT - Open-top/flatbed trailer  
OV - Open Top Van  
PL - Container, Platform  
PP - Power Pack  
PT - Protected Trailer

## 12-11 -- Equipment Description Code (CONT)

Data Value - Definition
PU - Pick-up Truck
RA - Fixed-Rack, Flat-Bed Trailer
RC - Refrigerated (Reefer) Car
RD - Fixed-Rack, Double Drop Trailer
RE - Flat Car (End Bulkheads)
RF - Flat Car
RG - Gondola Covered
RI - Gondola Car (Covered - Interior Bulkheads)
RO - Gondola Car (Open)
RR - Rail Car
RS - Fixed-Rack, Single-Drop Trailer
RT - Controlled Temperature Trailer (Reefer)
SA - Saddle
SC - Service Car
SD - Single-Drop Trailer
SK - Stack Car
SL - Container, Steel
SR - STAK-RAK
SS - Container with Smooth Sides
ST - Removable Side Trailer
SV - Van - Special Inside Length, Width or Height Requirements
TA - Trailer, Heated/Insulated/Ventilated
TB - Trailer, Boat
TC - Trailer, Car
TF - Trailer, Dry Freight
TG - Trailer, Tank (Gas)
TH - Truck, Open Top High Side
TI - Trailer, Insulated
TJ - Trailer, Tank (Chemicals)
TK - Trailer, Tank (Food Grade-Liquid)
TL - Trailer (not otherwise specified)
TM - Trailer, Insulated/Ventilated
TN - Tank Car
TO - Truck, Open Top
TP - Trailer, Pneumatic
TQ - Trailer, Electric Heat
TR - Tractor
TT - Telescoping Trailer
TU - Truck, Open Top Low Side
TV - Truck, Van
TW - Trailer, Refrigerated
UA - Trilevel Railcar 20 Feet
UB - Trilevel Railcar Screened, Fully Enclosed
UC - Trilevel Railcar Screened, With Roof
UD - Trilevel Railcar Screened, No Roof
UE - Trilevel Railcar Screened, With Doors, No Roof
UL - Unit Load Device (ULD)
UP - Container, Upgraded
VA - Container, Vented
VE - Vessel, Ocean
VL - Vessel, Lake
VR - Vessel, Ocean, Rollon-Rolloff
VS - Vessel, Ocean, Lash
VT - Vessel, Ocean, Containership
WR - Container with Wavy or Ripple Sides
WY - Railroad Maintenance of Way Car

## 13-03 -- Rate/Value Qualifier

### Data Value - Definition

AA - Percent Of Amount Advanced  
AB - Accelerated  
AC - Percent Of Amount Of Collection  
AD - Addition  
AE - Percent of Outstanding Principal Balance  
AF - Percent of Original Principal Balance  
AV - Ad Valorem (Per Cent of Value)  
B0 - Per Board Feet  
B1 - Per 100 Board Feet  
BF - Per 1,000 Board Feet  
BL - Bill of Lading Declared Value  
BR - Per Barrel  
C5 - Per 50 Cubic Feet  
CE - Ceiling  
CF - Per 40 Cubic Feet (Measurement Ton)  
CM - Per Cubic Meter  
CO - Cost per Unit  
CP - Computer Units  
CS - Per Special Charge  
CT - Charge or Credit Based on Percentage of Total  
CW - Per Hundred Weight  
DD - Department of Defense Unique Codes  
DE - Decrease  
DI - Divisor  
DP - Per \$1000  
DR - Per Dromedary Service Shipment  
DS - Per Hundredweight Per Mile Per Dromedary Service Shipment  
DV - Per Day Per Vehicle  
EI - Ex Parte Increase  
ER - Per Each Request  
FA - Floor  
FB - Full  
FC - Flat Charge  
FF - Percent Of Tariff Rate  
FI - First  
FL - Per Flat Bed  
FN - Per Two Weeks  
FR - Flat Rate  
FT - Per Foot  
FV - Loaded to Full Visible Capacity  
GT - Per Gross Ton  
HD - Per Hundredweight Per Dromedary Service Shipment  
HM - Rate Per Hundred Weight Per Mile  
HN - Per Half Month  
HX - Hundredweight Per Day  
HY - Per Half Year  
IA - Increase  
IM - Intermodal Unit  
IN - Per Inch  
KG - Per Kilograms  
KL - Per Kiloliter  
KP - Per Kilometer  
KT - Per Kilotons  
LA - Per Pound Per Article  
LB - Per Pound  
LF - Per Loaded 436L Pallet  
LI - Liability per Pound per Piece  
LL - Life of Loan  
LP - Per Label  
LR - Per Litre  
LS - Lump Sum  
LT - Per Long Ton  
LV - Per Pound Per Vehicle  
MA - Minimum per Service  
MB - Per Mile per Service  
MC - Minimum Per Car  
MD - Per Man Per Day  
ME - Multiple Equipment  
MF - Maximum  
MG - Miles Per Week Per Driver  
MH - Per Man Per Hour  
MI - Negative Charge  
MM - Per Metric Ton (Tonne)  
MN - Minimum  
MO - Per Month  
MP - Maximum Per Shipment  
MR - Per Mile Per Vehicle Used Per Round Trip  
MS - Minimum Per Shipment

## 13-03 -- Rate/Value Qualifier (CONT)

### Data Value - Definition

MT - Per Permit  
 MU - Multiplier  
 MV - Per Mile Per Vehicle (Rail Car) Moved  
 MW - Minimum Per Vehicle  
 MX - Mixed Shipment Rule  
 NA - Negative  
 NB - Nonamortizing  
 ND - Minimum Per Driver  
 NE - Net Package Charge  
 NM - Per Mile Per Person  
 NP - Minimum Per Day Per Person  
 NV - Minimum Per Day Per Vehicle  
 OP - Optional Value  
 OS - Per Season  
 OT - One-Time Charge  
 P0 - Per Year per Square Foot  
 P1 - Per Advancement  
 P8 - Potential  
 P9 - Partial  
 PA - Per Container  
 PB - Per Barge  
 PC - Per Car  
 PD - Per Day  
 PE - Per 20 Foot Equivalent (TEU)  
 PF - Per Cubic Foot  
 PG - Per Gallon  
 PH - Per Hundred (of Basic Unit)  
 PI - Hourly Rate Per Vehicle  
 PJ - Projected  
 PK - Per Cord  
 PL - Per Load  
 PM - Per Mile  
 PN - Per Night  
 PO - Positive  
 PP - Per Piece  
 PQ - Per Period  
 PR - Per Hour  
 PS - Per Shipment  
 PT - Per Net Ton  
 PU - Per Unit  
 PV - Per Vehicle  
 PW - Percentage of Charges  
 PX - Payment  
 PY - Per Gallon Per Mile  
 PZ - Per Package Charge  
 QY - Per Quarter Year  
 RA - Rate per Thousand  
 RB - Rate per Hundred  
 RC - Rate  
 RL - Per Relocation  
 RP - Percent Of Rate  
 RT - Per Vehicle Used Per Round Trip  
 S0 - Per 1000 Square Feet  
 S1 - Per 100 Square Feet  
 SA - Subtraction  
 SB - Subsequent  
 SC - Per Stencil  
 SD - Shipper's Export Declaration Value  
 SE - Second  
 SF - Per Square Feet  
 SG - Stated  
 SH - Scheduled  
 SP - Per Stop  
 ST - Per Short Ton  
 SU - Per Stack Car Unit  
 SY - Square Yard  
 TB - Per 2 Trailers Same Day  
 TC - Per 3 Trailers Same Day  
 TD - Per 4 Trailers Same Day  
 TN - Per Train Rate  
 TP - Per Tag  
 TR - Per Trailer (Per Train)  
 VA - Per Vehicle Moved  
 VH - Per Vehicle Used  
 VM - Volume  
 VP - Maximum Per Vehicle  
 VR - Per Rail Car Used  
 VS - Various

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## 13-03 -- Rate/Value Qualifier (CONT)

Data Value - Definition
VT - Per Mile per Vehicle VU - Per Mile Per Vehicle (Rail Car) Used VV - Per Vehicle per State WK - Per Week WM - Weight or Measurement XP - Maximum Per Person YR - Per Year

## 13-09 -- Rate Class Code

### Data Value - Definition

A - Alternate Rating  
BHR - Backhaul Rate  
C - Specific Commodity Rate  
CTR - Contract Rate  
DMA - Demurrage Period 1  
DMB - Demurrage Period 2  
DMC - Demurrage Period 3  
E - Weight in Excess of Pivot Weight and Applicable Rate  
ECR - Econo Rate  
F - Overflow  
H - Charter  
I - Class Not Identifiable  
L - Class Rate  
M - Minimum  
N - Normal Under 45 KG Rate  
O - Column Commodity Rate  
Q - Quantity 45 KG Over Rate  
QUO - Quoted Rate  
R - Class Rate (Less than Normal Rate)  
S - Class Rate (More than Normal Rate)  
T - Sender Rate  
U - Pivot Weight and Applicable Pivot Weight Charge  
V - Excess Rate  
X - IATA Container or Unit Load Device (ULD)  
Y - Exception Rating

## 13-15 -- Rate/Value Qualifier

### Data Value - Definition

AA - Percent Of Amount Advanced  
AB - Accelerated  
AC - Percent Of Amount Of Collection  
AD - Addition  
AE - Percent of Outstanding Principal Balance  
AF - Percent of Original Principal Balance  
AV - Ad Valorem (Per Cent of Value)  
B0 - Per Board Feet  
B1 - Per 100 Board Feet  
BF - Per 1,000 Board Feet  
BL - Bill of Lading Declared Value  
BR - Per Barrel  
C5 - Per 50 Cubic Feet  
CE - Ceiling  
CF - Per 40 Cubic Feet (Measurement Ton)  
CM - Per Cubic Meter  
CO - Cost per Unit  
CP - Computer Units  
CS - Per Special Charge  
CT - Charge or Credit Based on Percentage of Total  
CW - Per Hundred Weight  
DD - Department of Defense Unique Codes  
DE - Decrease  
DI - Divisor  
DP - Per \$1000  
DR - Per Dromedary Service Shipment  
DS - Per Hundredweight Per Mile Per Dromedary Service Shipment  
DV - Per Day Per Vehicle  
EI - Ex Parte Increase  
ER - Per Each Request  
FA - Floor  
FB - Full  
FC - Flat Charge  
FF - Percent Of Tariff Rate  
FI - First  
FL - Per Flat Bed  
FN - Per Two Weeks  
FR - Flat Rate  
FT - Per Foot  
FV - Loaded to Full Visible Capacity  
GT - Per Gross Ton  
HD - Per Hundredweight Per Dromedary Service Shipment  
HM - Rate Per Hundred Weight Per Mile  
HN - Per Half Month  
HX - Hundredweight Per Day  
HY - Per Half Year  
IA - Increase  
IM - Intermodal Unit  
IN - Per Inch  
KG - Per Kilograms  
KL - Per Kiloliter  
KP - Per Kilometer  
KT - Per Kilotons  
LA - Per Pound Per Article  
LB - Per Pound  
LF - Per Loaded 436L Pallet  
LI - Liability per Pound per Piece  
LL - Life of Loan  
LP - Per Label  
LR - Per Litre  
LS - Lump Sum  
LT - Per Long Ton  
LV - Per Pound Per Vehicle  
MA - Minimum per Service  
MB - Per Mile per Service  
MC - Minimum Per Car  
MD - Per Man Per Day  
ME - Multiple Equipment  
MF - Maximum  
MG - Miles Per Week Per Driver  
MH - Per Man Per Hour  
MI - Negative Charge  
MM - Per Metric Ton (Tonne)  
MN - Minimum  
MO - Per Month  
MP - Maximum Per Shipment  
MR - Per Mile Per Vehicle Used Per Round Trip  
MS - Minimum Per Shipment

## 13-15 -- Rate/Value Qualifier (CONT)

Data Value - Definition
MT - Per Permit
MU - Multiplier
MV - Per Mile Per Vehicle (Rail Car) Moved
MW - Minimum Per Vehicle
MX - Mixed Shipment Rule
NA - Negative
NB - Nonamortizing
ND - Minimum Per Driver
NE - Net Package Charge
NM - Per Mile Per Person
NP - Minimum Per Day Per Person
NV - Minimum Per Day Per Vehicle
OP - Optional Value
OS - Per Season
OT - One-Time Charge
P0 - Per Year per Square Foot
P1 - Per Advancement
P8 - Potential
P9 - Partial
PA - Per Container
PB - Per Barge
PC - Per Car
PD - Per Day
PE - Per 20 Foot Equivalent (TEU)
PF - Per Cubic Foot
PG - Per Gallon
PH - Per Hundred (of Basic Unit)
PI - Hourly Rate Per Vehicle
PJ - Projected
PK - Per Cord
PL - Per Load
PM - Per Mile
PN - Per Night
PO - Positive
PP - Per Piece
PQ - Per Period
PR - Per Hour
PS - Per Shipment
PT - Per Net Ton
PU - Per Unit
PV - Per Vehicle
PW - Percentage of Charges
PX - Payment
PY - Per Gallon Per Mile
PZ - Per Package Charge
QY - Per Quarter Year
RA - Rate per Thousand
RB - Rate per Hundred
RC - Rate
RL - Per Relocation
RP - Percent Of Rate
RT - Per Vehicle Used Per Round Trip
S0 - Per 1000 Square Feet
S1 - Per 100 Square Feet
SA - Subtraction
SB - Subsequent
SC - Per Stencil
SD - Shipper's Export Declaration Value
SE - Second
SF - Per Square Feet
SG - Stated
SH - Scheduled
SP - Per Stop
ST - Per Short Ton
SU - Per Stack Car Unit
SY - Square Yard
TB - Per 2 Trailers Same Day
TC - Per 3 Trailers Same Day
TD - Per 4 Trailers Same Day
TN - Per Train Rate
TP - Per Tag
TR - Per Trailer (Per Train)
VA - Per Vehicle Moved
VH - Per Vehicle Used
VM - Volume
VP - Maximum Per Vehicle
VR - Per Rail Car Used
VS - Various

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## 13-15 -- Rate/Value Qualifier (CONT)

Data Value - Definition
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VT - Per Mile per Vehicle VU - Per Mile Per Vehicle (Rail Car) Used VV - Per Vehicle per State WK - Per Week WM - Weight or Measurement XP - Maximum Per Person YR - Per Year
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## 13-18 -- Billed/Rated-as Qualifier

### Data Value - Definition

AR - Appurtenance (Enhancements/Additions to Equipment)  
BA - Barrels  
BX - Box  
CC - Cubic Centimeter  
CF - Cubic Foot  
CM - Centimeter  
DK - Kilometers  
DM - Miles  
DR - Drivers  
EA - Each  
FR - Flat Rate  
FT - Foot  
GC - 100 Gallons  
GL - Gallon  
KG - Kilogram  
LB - Pound  
LC - 100 Pounds  
LH - 100 Liters  
LR - Liter  
MR - Mileage  
MT - Measurement Ton  
MV - Monetary Value  
NB - Barge  
NC - Car  
ND - Cord  
NG - Nights  
NL - Load  
NN - Train  
NP - Piece  
NR - Container  
NT - Trailer  
NU - Unit  
NV - Vehicle  
OR - Other  
PK - Package  
PR - Persons  
RV - Release Value  
SP - Stops  
ST - Number of States  
SY - Square Yards  
TD - Days  
TH - Hours  
TN - Tons  
TR - Time  
VA - Actual Volume  
VC - Chargeable Volume  
VM - Volume Metric Unit

## 14-09 -- Packaging Form Code

### Data Value - Definition

AMM - Ammo Pack  
BAG - Bag  
BAL - Bale  
BBL - Barrel  
BDL - Bundle  
BEM - Beam  
BIC - Bing Chest  
BIN - Bin  
BKG - Bulk Bag  
BLK - Bulk  
BOB - Bobbin  
BOT - Bottle  
BOX - Box  
BRG - Barge  
BSK - Basket or hamper  
BXI - Box, with inner container  
BXT - Bucket  
CAB - Cabinet  
CAG - Cage  
CAN - Can  
CAR - Carrier  
CAS - Case  
CBC - Containers of Bulk Cargo  
CBY - Carboy  
CCS - Can Case  
CHE - Cheeses  
CHS - Chest  
CLD - Car Load, Rail  
CNA - Household Goods Containers, Wood  
CNB - Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air  
CNC - Container, Navy Cargo Transporter  
CND - Container, Commercial Highway Lift  
CNE - Engine Container  
CNF - Multiwall Container Secured to Warehouse Pallet  
CNT - Container  
CNX - CONEX - Container Express  
COL - Coil  
CON - Cones  
COR - Core  
CRD - Cradle  
CRT - Crate  
CSK - Cask  
CTN - Carton  
CUB - Cube  
CYL - Cylinder  
DBK - Dry Bulk  
DRK - Double-length Rack  
DRM - Drum  
DSK - Double-length Skid  
DTB - Double-length Tote Bin  
DUF - Duffle Bag  
ENV - Envelope  
FIR - Firkin  
FLO - Flo-bin  
FLX - Liner Bag Liquid  
FRM - Frame  
FSK - Flask  
FWR - Forward Reel  
GOH - Garments on Hangers  
HED - Heads of Beef  
HGH - Hogshead  
HPR - Hamper  
HPT - Hopper Truck  
HRB - On Hanger or Rack in Boxes  
HRK - Half-standard Rack  
HTB - Half-Standard Tote Bin  
JAR - Jar  
JUG - Jug  
KEG - Keg  
KIT - Kit  
KRK - Knockdown Rack  
KTB - Knockdown Tote Bin  
LBK - Liquid Bulk  
LIF - Lifts  
LOG - Log  
LSE - Loose  
LUG - Lug  
LVN - Lift Van

## 14-09 -- Packaging Form Code (CONT)

Data Value - Definition
MLV - MILVAN - Military Van
MRP - Multi-Roll Pack
MSV - MSCVAN - Military Sealift Command Van
MXD - Mixed Type Pack
NOL - Noil
OVW - Overwrap
PAL - Pail
PCK - Packed - not otherwise specified
PCS - Pieces
PIR - Pims
PKG - Package
PLF - Platform
PLN - Pipeline
PLT - Pallet
POV - Private Vehicle
PRK - Pipe Rack
QTR - Quarter of Beef
RAL - Rail (Semiconductor)
RCK - Rack
REL - Reel
ROL - Roll
RVR - Reverse Reel
SAK - Sack
SBC - Liner Bag Dry
SCS - Suitcase
SHK - Shook
SHT - Sheet
SID - Side of Beef
SKD - Skid
SKE - Skid, elevating or lift truck
SLP - Slip Sheet
SLV - Sleeve
SPI - Spin Cylinders
SPL - Spool
SVN - SEAVAN - Sea Van
TBE - Tube
TBN - Tote Bin
TKR - Tank Car
TKT - Tank Truck
TLD - Intermodal Trailer/Container Load (Rail)
TNK - Tank
TRC - Tierce
TRI - Triwall Box
TRK - Trunk and Chest
TRU - Truck
TRY - Tray
TSS - Trunk, Salesmen Sample
TTC - Tote Can
TUB - Tub
UNP - Unpacked
UNT - Unit
VEH - Vehicles
VPK - Van Pack
WHE - On Own Wheel
WLC - Wheeled Carrier
WRP - Wrapped

## 15-05 -- Packaging Code

### Data Value - Definition

AMM - Ammo Pack  
AMP - Ampoule  
ATH - Attachment  
BAG - Bag  
BAL - Bale  
BBL - Barrel  
BDG - Banding  
BDL - Bundle  
BEM - Beam  
BIC - Bing Chest  
BIN - Bin  
BLK - Bulk  
BLT - Belting  
BOB - Bobbin  
BOT - Bottle  
BOX - Box  
BRC - Bracing  
BRG - Barge  
BSK - Basket or hamper  
BXI - Box, with inner container  
BXT - Bucket  
CAB - Cabinet  
CAG - Cage  
CAN - Can  
CAR - Carrier  
CAS - Case  
CBC - Containers of Bulk Cargo  
CBY - Carboy  
CCS - Can Case  
CHE - Cheeses  
CHS - Chest  
CLD - Car Load, Rail  
CNA - Household Goods Container, Wood  
CNB - Container, MAC-ISO, LT. WGT. 8x8x20 Foot Air  
CNC - Container, Navy Cargo Transporter  
CND - Container, Commercial Highway Lift  
CNE - Container, Engine  
CNF - Container, Multi-walled, Secured to Warehouse Pallet  
CNT - Container  
COL - Coil  
CON - Cones  
COR - Core  
CRD - Cradle  
CRF - Corner Reinforcement  
CRT - Crate  
CSK - Cask  
CTN - Carton  
CX2 - CONEX  
CYL - Cylinder  
DBK - Dry Bulk  
DRK - Double-length Rack  
DRM - Drum  
DSK - Double-length Skid  
DTB - Double-length Tote Bin  
DUF - Duffelbag  
EGG - Egg Crating  
ENV - Envelope  
EPR - Edge Protection  
FIR - Firkin  
FLO - Flo-bin  
FRM - Frame  
FSK - Flask  
FWR - Forward Reel  
HED - Heads of Beef  
HGH - Hogshead  
HPR - Hamper  
HPT - Hopper Truck  
HRB - On Hanger or Rack in Boxes  
HRK - Half-Standard Rack  
HTB - Half-Standard Tote Bin  
INT - Intermediate Container  
JAR - Jar  
KEG - Keg  
KIT - Kit  
KRK - Knockdown Rack  
KTB - Knockdown Tote Bin  
LBK - Liquid Bulk  
LID - Lip/Top

## 15-05 -- Packaging Code (CONT)

Data Value - Definition
LIF - Lifts
LNR - Liners
LOG - Log
LSE - Loose
LUG - Lug
LVN - Lift Van
MIX - Mixed Container Types
ML2 - MILVAN
MRP - Multi-Roll Pack
MS2 - MSCVAN
MXD - Mixed
NOL - Noil
PAF - Pallet - 4 Way
PAL - Pail
PAT - Pallet - 2 Way
PCK - Packed - not otherwise specified
PCS - Pieces
PIR - Pirns
PKG - Package
PLC - Primary Lift Container
PLF - Platform
PLN - Pipeline
PLT - Pallet
POV - Private Vehicle
PRK - Pipe Rack
PRT - Partitioning
PWT - Plastic-Wrapped Tray
QTR - Quarter of Beef
RAL - Rail (Semiconductor)
RCK - Rack
REL - Reel
RFT - Reinforcement
ROL - Roll
RVR - Reverse Reel
SAK - Sack
SCS - Suitcase
SHK - Shook
SHT - Sheet
SID - Side of Beef
SKD - Skid
SKE - Skid, elevating or lift truck
SLP - Slip Sheet
SLV - Sleeve
SPI - Spin Cylinders
SPL - Spool
SPR - Separator/Divider
SRW - Shrink Wrap
STW - Stretch Wrap
SV2 - SEAVAN
TBE - Tube
TBN - Tote Bin
TKR - Tank Car
TKT - Tank Truck
TLD - Intermodal Trailer/Container Load (Rail)
TNK - Tank
TRC - Tierce
TRK - Trunk and Chest
TRU - Truck
TRY - Tray
TSS - Trunk, Salesmen Sample
TUB - Tub
UNP - Unpacked
UNT - Unit
VEH - Vehicles
VIL - Vial
VOC - Vehicle in Operating Condition
VPK - Van Pack
WHE - On Own Wheel
WLC - Wheeled Carrier
WRP - Wrapped
01 - Aluminum
04 - As Specified by the DOT
07 - Burlap
10 - Chemically Hardened Fibre
13 - Cloth
16 - Cloth Top
19 - Cloth or Fabric
22 - Compressed

## 15-05 -- Packaging Code (CONT)

Data Value - Definition
25 - Corrugated or Solid
28 - Double-wall Paper
31 - Fibre
34 - Fibre (Paperboard)
37 - Fiberboard
40 - Fiberboard Metal
43 - Glass
46 - In Inner Containers
48 - Wire/Cord
49 - Insulated
50 - Steel - Vinyl Coated
51 - Wire Mesh
52 - Iron or Steel
53 - Jumbo
54 - Special Jumbo
55 - Lead
58 - Metal
59 - Metal Cans
61 - Moisture Resistant
64 - Molded Plastic
67 - Multiple-wall Paper (2 or more walls)
70 - Multiple-wall Paper (3 or more walls)
71 - Not Otherwise Specified
72 - Paper - VCI
73 - Other than Glass
74 - Other than Metal or Plastic Tubes, or Glass
75 - Plastic - Vacuum Formed
76 - Paper
77 - Plastic - Structural Foam
78 - Plastic - Injection Molded
79 - Plastic
80 - Polyethylene Lined
81 - Plastic - Virgin
82 - Pulpboard
83 - Plastic - Regrind
84 - Polystyrene
85 - Rubber
86 - Foam
88 - Rubber and Fabric
89 - Special
90 - Standard
91 - Stainless Steel
92 - Tubes, Metal or Plastic
94 - Wood
95 - Single Wall Corrugated Board
96 - Double Wall Corrugated Board
97 - Triple Wall Corrugated Board

## 16-09 -- Rate Class Code

### Data Value - Definition

A - Alternate Rating  
BHR - Backhaul Rate  
C - Specific Commodity Rate  
CTR - Contract Rate  
DMA - Demurrage Period 1  
DMB - Demurrage Period 2  
DMC - Demurrage Period 3  
E - Weight in Excess of Pivot Weight and Applicable Rate  
ECR - Econo Rate  
F - Overflow  
H - Charter  
I - Class Not Identifiable  
L - Class Rate  
M - Minimum  
N - Normal Under 45 KG Rate  
O - Column Commodity Rate  
Q - Quantity 45 KG Over Rate  
QUO - Quoted Rate  
R - Class Rate (Less than Normal Rate)  
S - Class Rate (More than Normal Rate)  
T - Sender Rate  
U - Pivot Weight and Applicable Pivot Weight Charge  
V - Excess Rate  
X - IATA Container or Unit Load Device (ULD)  
Y - Exception Rating

## 16-15 -- Rate/Value Qualifier

### Data Value - Definition

AA - Percent Of Amount Advanced  
AB - Accelerated  
AC - Percent Of Amount Of Collection  
AD - Addition  
AE - Percent of Outstanding Principal Balance  
AF - Percent of Original Principal Balance  
AV - Ad Valorem (Per Cent of Value)  
B0 - Per Board Feet  
B1 - Per 100 Board Feet  
BF - Per 1,000 Board Feet  
BL - Bill of Lading Declared Value  
BR - Per Barrel  
C5 - Per 50 Cubic Feet  
CE - Ceiling  
CF - Per 40 Cubic Feet (Measurement Ton)  
CM - Per Cubic Meter  
CO - Cost per Unit  
CP - Computer Units  
CS - Per Special Charge  
CT - Charge or Credit Based on Percentage of Total  
CW - Per Hundred Weight  
DD - Department of Defense Unique Codes  
DE - Decrease  
DI - Divisor  
DP - Per \$1000  
DR - Per Dromedary Service Shipment  
DS - Per Hundredweight Per Mile Per Dromedary Service Shipment  
DV - Per Day Per Vehicle  
EI - Ex Parte Increase  
ER - Per Each Request  
FA - Floor  
FB - Full  
FC - Flat Charge  
FF - Percent Of Tariff Rate  
FI - First  
FL - Per Flat Bed  
FN - Per Two Weeks  
FR - Flat Rate  
FT - Per Foot  
FV - Loaded to Full Visible Capacity  
GT - Per Gross Ton  
HD - Per Hundredweight Per Dromedary Service Shipment  
HM - Rate Per Hundred Weight Per Mile  
HN - Per Half Month  
HX - Hundredweight Per Day  
HY - Per Half Year  
IA - Increase  
IM - Intermodal Unit  
IN - Per Inch  
KG - Per Kilograms  
KL - Per Kiloliter  
KP - Per Kilometer  
KT - Per Kilotons  
LA - Per Pound Per Article  
LB - Per Pound  
LF - Per Loaded 436L Pallet  
LI - Liability per Pound per Piece  
LL - Life of Loan  
LP - Per Label  
LR - Per Litre  
LS - Lump Sum  
LT - Per Long Ton  
LV - Per Pound Per Vehicle  
MA - Minimum per Service  
MB - Per Mile per Service  
MC - Minimum Per Car  
MD - Per Man Per Day  
ME - Multiple Equipment  
MF - Maximum  
MG - Miles Per Week Per Driver  
MH - Per Man Per Hour  
MI - Negative Charge  
MM - Per Metric Ton (Tonne)  
MN - Minimum  
MO - Per Month  
MP - Maximum Per Shipment  
MR - Per Mile Per Vehicle Used Per Round Trip  
MS - Minimum Per Shipment

## 16-15 -- Rate/Value Qualifier (CONT)

Data Value - Definition
MT - Per Permit
MU - Multiplier
MV - Per Mile Per Vehicle (Rail Car) Moved
MW - Minimum Per Vehicle
MX - Mixed Shipment Rule
NA - Negative
NB - Nonamortizing
ND - Minimum Per Driver
NE - Net Package Charge
NM - Per Mile Per Person
NP - Minimum Per Day Per Person
NV - Minimum Per Day Per Vehicle
OP - Optional Value
OS - Per Season
OT - One-Time Charge
P0 - Per Year per Square Foot
P1 - Per Advancement
P8 - Potential
P9 - Partial
PA - Per Container
PB - Per Barge
PC - Per Car
PD - Per Day
PE - Per 20 Foot Equivalent (TEU)
PF - Per Cubic Foot
PG - Per Gallon
PH - Per Hundred (of Basic Unit)
PI - Hourly Rate Per Vehicle
PJ - Projected
PK - Per Cord
PL - Per Load
PM - Per Mile
PN - Per Night
PO - Positive
PP - Per Piece
PQ - Per Period
PR - Per Hour
PS - Per Shipment
PT - Per Net Ton
PU - Per Unit
PV - Per Vehicle
PW - Percentage of Charges
PX - Payment
PY - Per Gallon Per Mile
PZ - Per Package Charge
QY - Per Quarter Year
RA - Rate per Thousand
RB - Rate per Hundred
RC - Rate
RL - Per Relocation
RP - Percent Of Rate
RT - Per Vehicle Used Per Round Trip
S0 - Per 1000 Square Feet
S1 - Per 100 Square Feet
SA - Subtraction
SB - Subsequent
SC - Per Stencil
SD - Shipper's Export Declaration Value
SE - Second
SF - Per Square Feet
SG - Stated
SH - Scheduled
SP - Per Stop
ST - Per Short Ton
SU - Per Stack Car Unit
SY - Square Yard
TB - Per 2 Trailers Same Day
TC - Per 3 Trailers Same Day
TD - Per 4 Trailers Same Day
TN - Per Train Rate
TP - Per Tag
TR - Per Trailer (Per Train)
VA - Per Vehicle Moved
VH - Per Vehicle Used
VM - Volume
VP - Maximum Per Vehicle
VR - Per Rail Car Used
VS - Various

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## 16-15 -- Rate/Value Qualifier (CONT)

Data Value - Definition
VT - Per Mile per Vehicle VU - Per Mile Per Vehicle (Rail Car) Used VV - Per Vehicle per State WK - Per Week WM - Weight or Measurement XP - Maximum Per Person YR - Per Year

## 16-18 -- Billed/Rated-as Qualifier

### Data Value - Definition

AR - Appurtenance (Enhancements/Additions to Equipment)  
BA - Barrels  
BX - Box  
CC - Cubic Centimeter  
CF - Cubic Foot  
CM - Centimeter  
DK - Kilometers  
DM - Miles  
DR - Drivers  
EA - Each  
FR - Flat Rate  
FT - Foot  
GC - 100 Gallons  
GL - Gallon  
KG - Kilogram  
LB - Pound  
LC - 100 Pounds  
LH - 100 Liters  
LR - Liter  
MR - Mileage  
MT - Measurement Ton  
MV - Monetary Value  
NB - Barge  
NC - Car  
ND - Cord  
NG - Nights  
NL - Load  
NN - Train  
NP - Piece  
NR - Container  
NT - Trailer  
NU - Unit  
NV - Vehicle  
OR - Other  
PK - Package  
PR - Persons  
RV - Release Value  
SP - Stops  
ST - Number of States  
SY - Square Yards  
TD - Days  
TH - Hours  
TN - Tons  
TR - Time  
VA - Actual Volume  
VC - Chargeable Volume  
VM - Volume Metric Unit