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Department  
of  
Defense

DoD  
Transportation  
Electronic Business  
(DTEB) Convention

ASC X12 Transaction Set 300  
Reservation (Booking Request)  
(Ocean) (Version 007020)

**VERSION 5**

October 2019



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of  
Defense

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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 Reservation (Book Request) (Ocean) information 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, contact the following:

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

For the most recent publication, go to

[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. Programmers use this section 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 may 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 5

## Added in Version 5

DM Number	DM Description	Approval Date
1314	At Section 3, Reference H301, Data Element 152 and Section 6.0, APPLICATION CODE LISTS, 15-01 – Special Handling Code, add the following: X12 Code: JLX with X12 description "Join Line Exception" to denote "ACR 40FT DRY (BAGRAM)"	10/4/2019

## Added in Version 4

DM Number	DM Description	Approval Date
1299	Add two accessorial Special Handling Codes to Transaction Set 300 for IBS. "Hazardous Surcharge Origin", and "Hazardous Surcharge Destination". These new Special Handling Codes will be under Segment H3, Special Handling Instructions, H301, Data Element 152 at index 15-01.  Add DOD definitions: Code == X12 Definition == DoD Definition HO == Hold for Orders == Hazardous Surcharge Origin HE == Head End Car == Hazardous Surcharge Destination (had previously selected HM for Haz. Surcharge Dest., but collided with a code in another transaction set used by DLA)	2/27/2019

## Added in Version 3

DM Number	DM Description	Approval Date
1283	At Section 3 Ref H301 Data Element 152 and Section 6.0 Application Code Lists for index 15-01 Special Handling Code change the following X12 approved codes with:  Add DOD definitions: Code == X12 Definition == DoD Definition DNC == Do Not Couple to Other Diaphragmed Cars == Daily In-transit Visibility Destination  Change DOD Definition: Code == X12 Definition == DoD Definition DLR == Notify Shipper Immediately if Shipment is Delayed en Route == From (Daily In-transit Visibility) to (Daily In-transit Visibility Origin)	5/24/2018

## Added in Version 2

DM Number	DM Description	Approval Date
1245	In the LX Loop at Index 16, change the Segment Instruction to read: One, and only one, TCN is permitted per LX loop. When booking breakbulk/containerized cargo the LX loop will be repeated for each Transportation Control Number (TCN).	11/10/2016
1242	In the LX01 at Index 16-01, DE 554, change the description to read: Assigned Number: When booking breakbulk/containerized cargo, assign numbers sequentially, i.e., 1,2,3,4, . . . , 999. Start with "1" and increment by one for each occurrence of the LX loop; limited to one TCN per LX loop.	11/2/2016

## Added in Version 1

DM Number	DM Description	Approval Date
1221	In the H301, DE 152 at index 15-01 and in Section 6 for the Special Handling Code, add the following X12 codes and associated DOD definitions (* denotes code borrowed from DE 150): Code == X12 Definition == DOD Definition * 075 == Air Express Charge == 75% Ocean Differential - 20 From 40 * 085 == Airline Opening Fee == 85% Inland Differential - 20 From 40	4/20/2016

## 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 007020), 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.ustranscom.mil/cmd/associated/dteb/>

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## Section 3.0

# STANDARD IMPLEMENTATION CONVENTION

This section presents the DoD's convention for generating Reservation (Booking Request) (Ocean) using ASC X12 Transaction Set 300 Reservation (Booking Request) (Ocean) (Version 007020).

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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# 300 Reservation (Booking Request) (Ocean)

Functional Group ID=**RO**

## Introduction:

This X12 Transaction Set contains the format and establishes the data contents of the Reservation (Booking Request) (Ocean) Transaction Set (300) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used by a shipper or a forwarder to reserve space, containers and equipment for transport by ocean vessel.

## 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	0100	ST	Transaction Set Header	M	1		
M	0200	B1	Beginning Segment for Booking or Pickup/Delivery	M	1		
	0250	G61	Contact	O	3		
Not Used	0300	Y6	Authentication	O	2		
Not Used	0400	Y7	Cargo Booking Priority	O	1		
M	0500	Y1	Space Reservation Request	M	1		
LOOP ID - Y2						10	
	0600	Y2	Container Details	O	1		
	0650	W09	Equipment and Temperature	O	1		
	0690	N9	Extended Reference Information	O	100		
Not Used	0700	R2A	Route Information with Preference	O	25		
LOOP ID - N1						99	
M	0800	N1	Party Identification	M	1		
Not Used	0900	N2	Additional Name Information	O	1		
	1000	N3	Party Location	O	2		
	1100	N4	Geographic Location	O	1		
	1200	G61	Contact	O	3		
LOOP ID - R4						20	
M	1300	R4	Port or Terminal	M	1		
	1400	DTM	Date/Time Reference	O	15		
	1500	W09	Equipment and Temperature	O	1		
	1600	H3	Special Handling Instructions	O	20		
Not Used	1700	EA	Equipment Attributes	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	0100	LX	Transaction Set Line Number	M	1		
	0200	N7	Equipment Details	O	1		
Not Used	0210	W09	Equipment and Temperature	O	1		
Not Used	0300	DTM	Date/Time Reference	O	1		
Must Use	0400	L0	Line Item - Quantity and Weight	O	1		
Must Use	0500	L5	Description, Marks and Numbers	O	1		
	0600	L4	Measurement	O	1		
	0650	L1	Rate and Charges	O	20		
	0670	REF	Reference Information	O	1		
			LOOP ID - H1			10	
	0700	H1	Hazardous Material	O	1		
	0800	H2	Additional Hazardous Material Description	O	10		
			LOOP ID - LH1			100	
Not Used	0810	LH1	Hazardous Identification Information	O	1		
Not Used	0820	LH2	Hazardous Classification Information	O	4		
Not Used	0830	LH3	Hazardous Material Shipping Name Information	O	10		
Not Used	0840	LFH	Free-form Hazardous Material Information	O	25		
Not Used	0850	LEP	EPA Required Data	O	3		
Not Used	0860	LH4	Canadian Dangerous Requirements	O	1		
Not Used	0870	LHT	Transborder Hazardous Requirements	O	3		
Not Used	0880	LHR	Hazardous Material Identifying Reference Numbers	O	5		
Not Used	0890	PER	Administrative Communications Contact	O	5		
Must Use	0900	V1	Vessel Identification	O	2		
	1000	V9	Event Detail	O	10		
	1100	K1	Remarks	O	20		

**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	0100	SE	Transaction Set Trailer	M	1		



**Segment:** **ST** Transaction Set Header  
**Position:** 0100  
**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).
- 2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

**Comments:**  
**Notes:** [1] ST SEGMENT - Reservation (Booking Request)(Ocean) Header

**Data Element Summary**

Ref.	Data Element	Name	Attributes
M	ST01	143 Transaction Set Identifier Code Code identifying a Transaction Set	M 1 ID 3/3
		[1-01] Transaction Set Identifier Code	
		300 Reservation (Booking Request) (Ocean)	
		[1-01] Reservation (Booking Request) (Ocean)	
M	ST02	329 Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M 1 AN 4/9
		[1-02] Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set. The application and structure of the control number must be agreed upon between trading partners. (For example, 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. )	
X	ST03	1705 Implementation Convention Reference Reference assigned to identify Implementation Convention	O 1 AN 1/35

**Segment:** **B1** Beginning Segment for Booking or Pickup/Delivery  
**Position:** 0200  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To transmit identifying numbers, dates, and other basic data relating to the transaction set  
**Syntax Notes:**  
**Semantic Notes:**

- 1 B101 is the Standard Carrier Alpha Code (SCAC) of either the carrier receiving the booking request or the carrier sending the booking confirmation.
- 2 B103 is either the date of the booking request or the date the booking was accepted by the carrier.
- 3 If B105 is "Y", partial loadings are allowed. If B105 is "N", partial loadings are not allowed.
- 4 B106 should be sent if the B104 action code is a "D" for decline.

**Comments:**  
**Notes:** [2] B1 SEGMENT - Shipment Identification

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	<b>B101</b>	<b>140</b> <b>Standard Carrier Alpha Code</b> Code identifying the Standard Carrier Alpha Code [2-01] Standard Carrier Alpha Code SOURCE: Directory of Standard Carrier Alpha Codes (SCAC), NMF 101 Series available from National Motor Freight Association, Inc.	<b>M 1 ID 2/4</b>
>>	<b>B102</b>	<b>145</b> <b>Shipment Identification Number</b> 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) [2-02] Shipment Identification Number Enter in an eight (8) digit alpha numeric code. The first six (6) digits are the Port Call File Number (PCFN) and the last two (2) digits are the year.	<b>O 1 AN 1/30</b>
>>	<b>B103</b>	<b>373</b> <b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year [2-03] Reservation Action Date Enter Date applicable to the Reservation Action in the B104, Reservation actions include: New (Created), Change (Updated) or Reinstatement, expressed as CCYYMMDD	<b>O 1 DT 8/8</b>

>>	<b>B104</b>	<b>558</b>	<b>Reservation Action Code</b>	<b>O</b>	<b>1</b>	<b>ID 1/1</b>
			Code identifying action on reservation or offering			
			[2-04] Reservation Action Code			
			Use code 'B' (Reinstatement) to reinstate a booking. A Transaction Set (TS) 303 (Booking Cancellation) with Reservation Action Code (B104) of 'D' (Cancel) or 'R' (Delete) will precede a TS 300 with a Reservation Actions Code 'B'.			
			Use code value 'U' (Change) AFTER an Ocean Carrier receives an initial TS 300 offering using a code value 'N' (New). Examples follow.			
			Example 1: (Cargo Offering Increase). An initial offering was for ten (10) containers of cargo. The Ocean Carrier transmits a TS 301 (Confirmation) for all ten (10) containers. A Shipper then needs to increase the offering from ten (10) to fifteen (15) containers. The booking is updated, and IBS will transmit another TS 300 using the code value 'U'. The number of containers on the TS 300 will be the total number of containers, which is fifteen (15). The Ocean Carrier can then send back a TS 301, accepting the fifteen (15) or rejecting the additional five (5) containers, since they have already accepted the original ten (10).			
			Example 2: (Cargo Offering Decrease). If an Ocean Carrier has accepted an initial TS 300 for ten (10) containers of cargo and the Shipper needs to decrease that offer by six (6) containers, IBS will be updated with the decrease. A TS 300 with a code value 'U', indicating that only four (4) containers are being offered, will be transmitted to the carrier. The Ocean Carrier can send a TS 301 to either accept only those four (4) containers or reject the booking.			
			B	Conditional Acceptance		
				[2-04] Conditional Acceptance		
				Use 'B' to denote Reinstatement		
			N	New		
				[2-04] New		
			U	Change		
				[2-04] Change		
<b>X</b>	<b>B105</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>O</b>	<b>1</b>	<b>ID 1/1</b>
			Code indicating a Yes or No condition or response			
			Refer to 007020 Data Element Dictionary for acceptable code values.			
<b>X</b>	<b>B106</b>	<b>1658</b>	<b>Shipment or Work Assignment Decline Reason Code</b>	<b>O</b>	<b>1</b>	<b>ID 3/3</b>
			Code indicating the reason for declining a shipment or work assignment			
			Refer to 007020 Data Element Dictionary for acceptable code values.			
<b>X</b>	<b>B107</b>	<b>146</b>	<b>Shipment Method of Payment Code</b>	<b>O</b>	<b>1</b>	<b>ID 2/2</b>
			Code identifying payment terms for transportation charges			
			Refer to 007020 Data Element Dictionary for acceptable code values.			

**Segment:** **G61 Contact**  
**Position:** 0250  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom communications should be directed  
**Syntax Notes:** 1 If either G6103 or G6104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 G6103 qualifies G6104.  
**Notes:** [3] G61 SEGMENT - Booking Contact Information  
 SEGMENT CONDITION: Use when Booking Contact Information applies

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	G6101	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named [3-01] Contact Function Code IC Information Contact [3-01] Information Contact Use 'IC' to denote Booking Contact	M 1 ID 2/2
M	G6102	93	<b>Name</b> Free-form name [3-02] Name Enter the Booking Officer's Name.	M 1 AN 1/60
	G6103	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number [3-03] Communication Number Qualifier EM Electronic Mail [3-03] Electronic Mail TE Telephone [3-03] Telephone	X 1 ID 2/2
	G6104	364	<b>Communication Number</b> Complete communications number including country or area code when applicable [3-04] Communication Number Enter the Booking Officer's Telephone Number when G6103 = 'TE'. Enter the Booking Officer's Electronic Mail (e-mail) address when G6103 = 'EM'	X 1 AN 1/2048
X	G6105	443	<b>Contact Inquiry Reference</b> Additional reference number or description to clarify a contact number	O 1 AN 1/20

**Segment:** **Y1** Space Reservation Request  
**Position:** 0500  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify information used to make a reservation for space on an ocean vessel  
**Syntax Notes:** 1 If either Y102 or Y109 is present, then the other is required.  
**Semantic Notes:** 1 Y102 is the date the shipment for which space reservation is requested to be available at the origin.  
**Comments:**  
**Notes:** [4] Y1 SEGMENT - Sailing Date

**Data Element Summary**

Ref.	Data	Attributes	
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
>>	Y101	135	<b>Sailing/Flight Date Estimated</b> O 1 DT 8/8
			Date for reservation expressed in format CCYYMMDD where CC represents the first two digits of the calendar year
			[4-01] Sailing Date Estimated
			Enter the date the vessel is scheduled to depart, the vessel sailing date.
>>	Y102	373	<b>Date</b> X 1 DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year
			[4-02] Available Date
			The date the cargo is available for pickup or receipt at load port.
X	Y103	140	<b>Standard Carrier Alpha Code</b> O 1 ID 2/4
			Code identifying the Standard Carrier Alpha Code
	Y104	91	<b>Transportation Method/Type Code</b> O 1 ID 1/2
			Code specifying the method or type of transportation for the shipment
			[4-04] Transportation Method/Type Code
			ELEMENT CONDITION: Use for both Breakbulk and Containers.
		BB	Breakbulk Ocean
			[4-04] Breakbulk Ocean
		O	Containerized Ocean
			[4-04] Containerized Ocean
X	Y105	98	<b>Entity Identifier Code</b> O 1 ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual
			Refer to 007020 Data Element Dictionary for acceptable code values.
X	Y106	19	<b>City Name</b> O 1 AN 2/30
			Free-form text for city name
X	Y107	156	<b>State or Province Code</b> O 1 ID 2/2
			Code specifying the Standard State/Province as defined by appropriate government agency
X	Y108	375	<b>Tariff Service Code</b> O 1 ID 2/2
			Code specifying the types of services for rating purposes
			Refer to 007020 Data Element Dictionary for acceptable code values.
>>	Y109	374	<b>Date/Time Qualifier</b> X 1 ID 3/3
			Code specifying type of date or time, or both date and time
			[4-09] Date/Time Qualifier
		169	Product Availability Date
			[4-09] Product Availability Date
			Use '169' to denote Cargo Availability Date

**Segment:** Y2 Container Details  
**Position:** 0600  
**Loop:** Y2 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify container information and transportation service to be used  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

[5] Y2 SEGMENT - Container Information  
 SEGMENT CONDITION: Mandatory if Containerized move. Do not use for BreakBulk.

**Data Element Summary**

Ref.	Data	Attributes		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	Y201	95	<b>Number of Containers</b> Number of shipping containers [5-01] Number of Containers This segment is only to be used for Containers and should not be used if booking is for Breakbulk. Number of containers in the booking.	M 1 N0 1/4
	Y202	78	<b>Container Type Request Code</b> Code indicating type of container equipment requested [5-02] Container Type Request Code ELEMENT CONDITION: Only used for CONTAINERIZED cargo. C Containers with Chassis [5-02] Containers with Chassis W Chassis Only [5-02] Chassis Only	O 1 ID 1/1
X	Y203	56	<b>Type of Service Code</b> Code specifying extent of transportation service requested Refer to 007020 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
M	Y204	24	<b>Equipment Type Code</b> Code identifying equipment type [5-04] Equipment Type Enter the appropriate ISO Standard Codes. If no ISO code exists, then enter 'ZZZZ', as a place holder. The source for these codes is the Identification Marking Code For Freight Containers (ISO 6346-1995). It can be obtained from the American National Standards Institute.	M 1 ID 4/4
X	Y205	91	<b>Transportation Method/Type Code</b> Code specifying the method or type of transportation for the shipment Refer to 007020 Data Element Dictionary for acceptable code values.	O 1 ID 1/2
X	Y206	177	<b>Intermodal Service Code</b> Code identifying the Intermodal Service Plan	O 1 ID 1/2
X	Y207	140	<b>Standard Carrier Alpha Code</b> Code identifying the Standard Carrier Alpha Code	O 1 ID 2/4
	Y208	464	<b>Container Terms Code</b> Code indicating origin and destination of transportation and type of container [5-08] Container Terms Code In the Y208, DE464 at index [5-08] change the implementation note to read: "These are the conveyance service codes, TCN positions 15-17, as described in Code Source 350, Defense Transportation Regulation (DTR), 4500.9-R-Part II, Appendix L. This manual can be obtained from the United States Transportation Command web site at <a href="http://www.transcom.mil/dtr/index.cfm">http://www.transcom.mil/dtr/index.cfm</a> .	O 1 ID 3/3

	<b>Y209</b>	<b>465</b>	<b>Container Terms Code Qualifier</b>	<b>O</b>	<b>1 ID 1/1</b>
			Code indicating container terms reference		
			[5-09] Container Terms Code Qualifier		
			I Military Standard Transportation and Movement Procedures (MILSTAMP)		
			[5-09] Military Standard Transportation and Movement Procedures (MILSTAMP)		
<b>X</b>	<b>Y210</b>	<b>466</b>	<b>Total Stop-offs</b>	<b>O</b>	<b>1 N0 1/2</b>
			Total number of stop-offs specified for a shipment		

**Segment:** **W09** **Equipment and Temperature**  
**Position:** 0650  
**Loop:** Y2 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To relate equipment type and required temperatures  
**Syntax Notes:** 1 If either W0902 or W0903 is present, then the other is required.  
 2 If either W0904 or W0905 is present, then the other is required.  
**Semantic Notes:** 1 W0902 is the minimum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0903).  
 2 W0904 is the maximum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0905).  
 3 W0906 is used to describe the environment required within an ocean-type, refrigerated container when other than normal air is required.  
 4 W0908 is the humidity percentage.  
 5 W0909 is the number of air exchanges per hour.

**Comments:**  
**Notes:** [6] W09 SEGMENT - Temperature Data  
 SEGMENT CONDITION: Use this segment only when H301 = 'RPD' (meaning that two temperature settings within a container are required) and L503 = 11X (Dual Temp (Chill/Freeze) Reefer Cargo). If specifying only one temperature setting, use the W09 segment at Table 1, Position 1500.

**Data Element Summary**

Ref.	Data	Attributes	
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	W0901	40	M 1 ID 2/2
		<b>Equipment Description Code</b>	
		Code identifying type of equipment used for shipment	
		[6-01] Equipment Description Code	
		DT Drop Back Trailer	
		[6-01] Drop Back Trailer	
		Use 'DT' to denote Dual Temperature	
>>	W0902	408	X 1 R 1/4
		<b>Temperature</b>	
		Temperature	
		[6-02] Temperature	
		Value representing the Chill temperature.	
>>	W0903	355	X 1 ID 2/2
		<b>Unit or Basis for Measurement Code</b>	
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		[6-03] Unit or Basis for Measurement Code	
		FA Fahrenheit	
		[6-03] Fahrenheit	
	W0904	408	X 1 R 1/4
		<b>Temperature</b>	
		Temperature	
		[6-04] Temperature	
		Value representing the Freeze temperature.	
	W0905	355	X 1 ID 2/2
		<b>Unit or Basis for Measurement Code</b>	
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		[6-05] Unit or Basis for Measurement Code	
		FA Fahrenheit	
		[6-05] Fahrenheit	
X	W0906	3	O 1 AN 1/60
		<b>Free-form Message</b>	
		Free-form text	

X	W0907	1122	<b>Vent Setting Code</b> Code specifying the setting on the air vents on ocean-type containers Refer to 007020 Data Element Dictionary for acceptable code values.	O	1	ID 1/1
X	W0908	488	<b>Percent, Integer Format</b> Percent given in integer format (e.g., 0 through 100 represents 0% through 100%)	O	1	N0 1/3
X	W0909	380	<b>Quantity</b> Numeric value of quantity	O	1	R 1/15

**Segment:** N9 Extended Reference Information  
**Position:** 0690  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 100  
**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:** [7] N9 SEGMENT - Reference Identification

**Data Element Summary**

Ref.	Data Element	Name	Attributes
M	N901	Reference Identification Qualifier	M 1 ID 2/3
	128	Code identifying the Reference Identification Qualifier	
		[7-01] Reference Identification Qualifier	
	2E	Foreign Military Sales Case Number	
		A reference number designating the foreign military sale records	
		[7-01] Foreign Military Sales Case Number	
		Use '2E' to denote Foreign Military Sales Case	
	3X	Subcontract Number	
		[7-01] Subcontract Number	
	91	Cost Element	
		A subdivision of costs defined by the accounting structure and the level that costs are recorded at within a cost accounting system (examples are labor, material, other direct costs)	
		[7-01] Cost Element	
		Use '91' to denote Total Cost	
	CE	Class of Contract Code	
		[7-01] Class of Contract Code	
		Use 'CE' to denote Vessel Status	
	CT	Contract Number	
		[7-01] Contract Number	
		Use 'CT' to denote Contract Number for rating purposes (MILSTAMP).	
	KL	Contract Reference	
		[7-01] Contract Reference	
		Use 'KL' to denote Contract Type for rating purposes (MILSTAMP)	
	P4	Project Code	
		[7-01] Project Code	
	QN	Stop Sequence Number	
		[7-01] Stop Sequence Number	
		Use 'QN' to denote Total Number of Stop-Offs and Mini Stop-Offs	
	TH	Transportation Account Code (TAC)	
		[7-01] Transportation Account Code (TAC)	

			TR	Government Transportation Request [7-01] Government Transportation Request Use 'TR' to denote Movement Type			
			V3	Voyage Number [7-01] Voyage Number Use 'V3' to denote DOD Voyage Document Number			
>>	N902	127	<b>Reference Identification</b>		X	1	AN 1/80
				Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [7-02] Reference Identification If N901=TR, then one of the following codes must be passed in the N902: DD, DP, PD, PP Otherwise, pass.....			
			DD	New Code Added by IC [7-02] Door to Door			
			DP	New Code Added by IC [7-02] Door to Port			
			PD	New Code Added by IC [7-02] Port to Door			
			PP	New Code Added by IC [7-02] Port to Port			
	N903	369	<b>Free-form Description</b>		X	1	AN 1/45
				Free-form descriptive text [7-03] Free-form Description			
X	N904	373	<b>Date</b>		O	1	DT 8/8
				Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
X	N905	337	<b>Time</b>		X	1	TM 4/8
				Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
X	N906	623	<b>Time Code</b>		O	1	ID 2/2
				Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 007020 Data Element Dictionary for acceptable code values.			
X	N907	C040	<b>Reference Identifier</b>		O	1	
				To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier			
X	C04001	128	<b>Reference Identification Qualifier</b>		M		ID 2/3
				Code identifying the Reference Identification Refer to 007020 Data Element Dictionary for acceptable code values.			
X	C04002	127	<b>Reference Identification</b>		M		AN 1/80
				Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
X	C04003	128	<b>Reference Identification Qualifier</b>		X		ID 2/3
				Code identifying the Reference Identification Refer to 007020 Data Element Dictionary for acceptable code values.			
X	C04004	127	<b>Reference Identification</b>		X		AN 1/80
				Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

<b>X</b>	<b>C04005</b>	<b>128</b>	<b>Reference Identification Qualifier</b> Code identifying the Reference Identification Refer to 007020 Data Element Dictionary for acceptable code values.	<b>X</b>	<b>ID 2/3</b>
<b>X</b>	<b>C04006</b>	<b>127</b>	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	<b>X</b>	<b>AN 1/80</b>

**Segment:** **N1 Party Identification**  
**Position:** 0800  
**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:** [8] N1 SEGMENT - Activity Identification

**Data Element Summary**

Ref.	Data Element	Name	Attributes
M	N101	98 Entity Identifier Code	M 1 ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		[8-01] Activity Identifier Code	
		AE Additional Delivery Address	
		[8-01] Additional Delivery Address	
		Use 'AE' to denote Stop Off	
		CI Consignor	
		[8-01] Consignor	
		Use 'CI' to denote Requestor	
		CN Consignee	
		[8-01] Consignee	
		SH Shipper	
		[8-01] Shipper	
		Use 'SH' to denote Entity who has the cargo	
		TC Tool Source	
		[8-01] Tool Source	
		Use 'TC' to denote Theater Consolidation Shipping Point (TCSB)	
	N102	93 Name	X 1 AN 1/60
		Free-form name	
		[8-02] Name	
		When "AE" is used in the N101, enter the DODAAC for a Stop-Off	

N103	66	<b>Identification Code Qualifier</b>	X	1 ID 1/2
Code specifying the system/method of code structure used for Identification Code (67)				
[8-03] Location Code Qualifier ELEMENT CONDITION: Must appear if there will be no entry in N102 - Name				
	10	Department of Defense Activity Address Code (DODAAC)		
		[8-03] Department of Defense Activity Address Code (DODAAC)		
	16	ZIP Code		
		[8-03] ZIP Code		
	29	Grid Location and Facility Code		
		[8-03] Grid Location and Facility Code Use '29' to denote Lattitude/Longitude		
	33	Commercial and Government Entity (CAGE)		
		[8-03] Commercial and Government Entity (CAGE)		
	37	United Nations Vendor Code		
		[8-03] United Nations Vendor Code Use '37' to denote UNLOC Code		
	BE	Common Language Location Identification (CLLI)		
		The standard address location code for a specific equipment location as used in the telephone industry		
		[8-03] Common Language Location Identification (CLLI) Use 'BE' to denote Inland Location Code (ILC)		
	LC	Agency Location Code (U.S. Government)		
		[8-03] Agency Location Code (U.S. Government) Use 'LC' to denote Geoloc		
	MA	Mail Stop		
		[8-03] Mail Stop Use 'MA' to denote Mini Stop-off		
N104	67	<b>Identification Code</b>	X	1 AN 2/80
Code identifying a party or other code				
[8-04] Location Code Must appear if there will be no entry in N102 - (Name). Enter appropriate Location Code (e.g., DoDAAC, CAGE, GEOLoc, etc.). When MA is used in the N103, enter the DODAAC for the Mini-Stop Off				
X	N105	706	<b>Entity Relationship Code</b>	O
Code specifying entity relationship Refer to 007020 Data Element Dictionary for acceptable code values.				
X	N106	98	<b>Entity Identifier Code</b>	O
Code identifying an organizational entity, a physical location, property or an individual Refer to 007020 Data Element Dictionary for acceptable code values.				

**Segment:** N3 Party Location  
**Position:** 1000  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

[9] N3 SEGMENT - Address Information  
 If the address is longer than 55 characters, it will roll over into N302.  
 SEGMENT CONDITION: Use this segment only when the entry in the N101 for this loop is "CN" or "SH". Use only for Shipper or consignee address. Use N3 segment to convey non-parsed (free-form text) address information. If parsed information is available, convey in N4 - Address Information segment.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information [9-01] Address Information	M 1 AN 1/55
	N302	166	Address Information Address information [9-02] Address Information	O 1 AN 1/55

**Segment:** **N4 Geographic Location**  
**Position:** 1100  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:**

- 1 Only one of N402 or N407 may be present.
- 2 Only one of N403 or N408 may be present.
- 3 If N406 is present, then N405 is required.
- 4 If N407 is present, then N404 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 N403 contains the postal code in an unstructured format. N408 contains the postal code in a structured format. When a postal code data field is used, the parties shall agree as to which data element (N403 or N408) shall be used in the transaction set.

**Notes:** [10] N4 SEGMENT - Geographic Location  
 SEGMENT CONDITION: Use this segment only when the entry in the N101 for this loop is 'CN' or 'SH'.

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N401	19 City Name Free-form text for city name [10-01] City Name	O 1 AN 2/30
	N402	156 State or Province Code Code specifying the Standard State/Province as defined by appropriate government agency [10-02] State or Province Code SOURCE: U.S. Postal Service or Canada Post or Bureau of Transportation Statistics	X 1 ID 2/2
	N403	116 Postal Code Code specifying international postal zone code excluding punctuation and blanks (zip code for United States) [10-03] Postal Code SOURCE: National ZIP Code and Post Office Directory, Publication 65 The USPS Domestic Mail Manual available from U.S Postal Service; Universal Postal Union Website available from International Bureau of the Universal Postal Union <a href="http://www.upu.int/post_code/en/postcodes.html">http://www.upu.int/post_code/en/postcodes.html</a>	X 1 ID 3/15
	N404	26 Country Code Code identifying the country [10-04] 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.	X 1 ID 2/3
X	N405	309 Location Qualifier Code identifying type of location Refer to 007020 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
X	N406	310 Location Identifier Code which identifies a specific location	O 1 AN 1/30
X	N407	1715 Country Subdivision Code Code identifying the country subdivision	X 1 ID 1/3

<b>X</b>	<b>N408</b>	<b>1702</b>	<b>Postal Code-Formatted</b>	<b>X</b>	<b>1 AN 3/20</b>
			A postal code value including punctuation, blanks and other characters as defined by the postal authority		

**Segment:** **G61 Contact**  
**Position:** 1200  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom communications should be directed  
**Syntax Notes:** 1 If either G6103 or G6104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 G6103 qualifies G6104.  
**Notes:** [11] G61 SEGMENT - Shipper POC Information  
 SEGMENT CONDITION: Use to convey POC as required.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	G6101	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named [11-01] Contact Code DI Delivery Instructions Contact [11-01] Delivery Instructions Contact Use 'DI' to denote Consignee (use when N101 = CN) OC Order Contact [11-01] Order Contact RQ Requestor [11-01] Requestor Use 'RQ' to denote Consignor SH Shipper Contact [11-01] Shipper Contact Use 'SH' to denote Shipper Contact (use when N101 = SH)	M 1 ID 2/2
M	G6102	93	<b>Name</b> Free-form name [11-02] Name Enter the POC name.	M 1 AN 1/60
	G6103	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number [11-03] Communication Number Qualifier EM Electronic Mail [11-03] Electronic Mail TE Telephone [11-03] Telephone	X 1 ID 2/2
	G6104	364	<b>Communication Number</b> Complete communications number including country or area code when applicable [11-04] Communication Number Enter the telephone number when G6103 = 'TE'. Enter the electronic mail (e-mail) address when G6103 = 'EM'.	X 1 AN 1/2048
X	G6105	443	<b>Contact Inquiry Reference</b> Additional reference number or description to clarify a contact number	O 1 AN 1/20

**Segment:** **R4 Port or Terminal**  
**Position:** 1300  
**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:** [12] R4 SEGMENT - Port Information

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	R401	115	<b>Port or Terminal Function Code</b> Code specifying function performed at the port or terminal with respect to a shipment [12-01] Port or Terminal Function Code Always send code values 'J' and 'K'. J Bill of Lading Port of Loading (Contractual) Place at which cargo is loaded on board the means of transport [12-01] Bill of Lading Port of Loading (Contractual) Use 'J' to denote Place at which cargo is loaded on board the means of transport K Bill of Lading Port of Discharge (Contractual) Place at which cargo is discharged from means of transport [12-01] Bill of Lading Port of Discharge (Contractual) Use 'K' to denote Place at which cargo is discharged from means of transport	M 1 ID 1/1
>>	R402	309	<b>Location Qualifier</b> Code identifying type of location [12-02] Location Qualifier Use of DoD Water Port Codes as found in USTranscom Reference Data Management (TRDM), mirrored at <a href="http://www.transcom.mil/cmd/associated/dteb/files/refdata/V_SEAPORT.htm">http://www.transcom.mil/cmd/associated/dteb/files/refdata/V_SEAPORT.htm</a> is preferred. D Census Schedule D [12-02] Census Schedule D IM Military Standard Movement Procedures (MILSTAMP) [12-02] Military Standard Movement Procedures (MILSTAMP) Use 'IM' to denote DoD Water Port Code K Census Schedule K [12-02] Census Schedule K	X 1 ID 1/2
>>	R403	310	<b>Location Identifier</b> Code which identifies a specific location [12-03] Location Identifier DoD Water Port Codes are three (3) characters in length *** DoD Water Port Code is the PREFERRED Value*** Schedule D (Domestic) ports are four (4) characters in length Schedule K (International) ports are five (5) characters in length	X 1 AN 1/30

>>	<b>R404</b>	<b>114</b>	<b>Port Name</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 [12-04] Port Name Restrict Port Names to SEAPORT_SHRT_PORT_NM as found in USTRANSCOM Reference Data Management (TRDM), mirrored at <a href="http://www.transcom.mil/cmd/associated/dteb/files/refdata/V_SEAPORT.htm">http://www.transcom.mil/cmd/associated/dteb/files/refdata/V_SEAPORT.htm</a> is preferred.	<b>O</b>	<b>1</b>	<b>AN 2/24</b>
X	<b>R405</b>	<b>26</b>	<b>Country Code</b> Code identifying the country	<b>O</b>	<b>1</b>	<b>ID 2/3</b>
X	<b>R406</b>	<b>174</b>	<b>Terminal Name</b> Free-form field for terminal name	<b>O</b>	<b>1</b>	<b>AN 2/30</b>
X	<b>R407</b>	<b>113</b>	<b>Pier Number</b> Identifying number for the pier	<b>O</b>	<b>1</b>	<b>AN 1/4</b>
X	<b>R408</b>	<b>156</b>	<b>State or Province Code</b> Code specifying the Standard State/Province as defined by appropriate government agency	<b>O</b>	<b>1</b>	<b>ID 2/2</b>

**Segment:** **DTM** Date/Time Reference  
**Position:** 1400  
**Loop:** R4 Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 15  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**

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

**Semantic Notes:**

**Comments:**

**Notes:**

[13] DTM SEGMENT - Delivery Date  
 SEGMENT CONDITION: The Required Delivery Date occurs only for the Port of discharge (R401 contains code value 'K')

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time [13-01] Delivery Date Qualifier To specify pertinent dates and times	M 1 ID 3/3
			996 Required Delivery A date on which or before, ordered goods or services must be delivered [13-01] Required Delivery Use '996' to denote Required Delivery Date (RDD)	
>>	DTM02	373	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year [13-02] Required Delivery Date Enter Required Delivery Date (RDD).	X 1 DT 8/8
X	DTM03	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 1 TM 4/8
X	DTM04	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 007020 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
X	DTM05	1250	<b>Date Time Period Format Qualifier</b> Code indicating the date format, time format, or date and time format Refer to 007020 Data Element Dictionary for acceptable code values.	X 1 ID 2/3
X	DTM06	1251	<b>Date Time Period</b> Expression of a date, a time, or range of dates, times or dates and times	X 1 AN 1/35

**Segment:** **W09** Equipment and Temperature  
**Position:** 1500  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To relate equipment type and required temperatures  
**Syntax Notes:** 1 If either W0902 or W0903 is present, then the other is required.  
2 If either W0904 or W0905 is present, then the other is required.  
**Semantic Notes:** 1 W0902 is the minimum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0903).  
2 W0904 is the maximum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0905).  
3 W0906 is used to describe the environment required within an ocean-type, refrigerated container when other than normal air is required.  
4 W0908 is the humidity percentage.  
5 W0909 is the number of air exchanges per hour.

**Comments:**  
**Notes:**

[14] W09 SEGMENT - Temperature Data  
SEGMENT CONDITION: To be used with reefers.

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	W0901	40 <b>Equipment Description Code</b> Code identifying type of equipment used for shipment [14-01] Equipment Description Code CZ Refrigerated Container [14-01] Refrigerated Container	M 1 ID 2/2
>>	W0902	408 <b>Temperature</b> Temperature [14-02] Required Set Temperature Enter the Required Minimum Set Temperature.	X 1 R 1/4
>>	W0903	355 <b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken [14-03] Unit or Basis for Measurement Code FA Fahrenheit [14-03] Fahrenheit	X 1 ID 2/2
X	W0904	408 <b>Temperature</b> Temperature	X 1 R 1/4
X	W0905	355 <b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 007020 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	W0906	3 <b>Free-form Message</b> Free-form text [14-06] Temperature Variance Enter the Variance (Temperature Range) based on the Required Set Temperature preceded by a plus (+) or minus (-) sign. Example +2_-2	O 1 AN 1/60
X	W0907	1122 <b>Vent Setting Code</b> Code specifying the setting on the air vents on ocean-type containers Refer to 007020 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
X	W0908	488 <b>Percent, Integer Format</b> Percent given in integer format (e.g., 0 through 100 represents 0% through 100%)	O 1 N0 1/3

**X**

**W0909**

**380**

**Quantity**  
Numeric value of quantity

**O 1 R 1/15**

**Segment:** **H3** Special Handling Instructions  
**Position:** 1600  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 20  
**Purpose:** To specify special handling instructions in coded or free-form format  
**Syntax Notes:** 1 Only one of H301 or H302 may be present.  
**Semantic Notes:**  
**Comments:**  
**Notes:**

[15] H3 SEGMENT - Special Handling Exceptions  
 SEGMENT CONDITION: Only use this segment when Special Handling cost is equal to "0" (zero) or a code does not exist. Use H301 or H302 as applicable but not both.

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
H301	152	Special Handling Code	X 1 ID 2/3
		Code specifying special transportation handling instructions	
		[15-01] Special Handling Code ELEMENT CONDITION: Only use when cost is equal to "0" (zero). Do not use if H302 is being used.	
	15	Speed Restricted to 15 Miles per Hour [15-01] Speed Restricted to 15 Miles per Hour Use '15' to denote 100,000 lb Crane Service	
	25	Speed Restricted to 25 Miles per Hour [15-01] Speed Restricted to 25 Miles per Hour Use '25' to denote 200,000 lb Crane Service	
	35	Speed Restricted to 35 Miles per Hour [15-01] Speed Restricted to 35 Miles per Hour Use '35' to denote 300,000 lb Crane Service	
	045	Advanced Fee [15-01] Advanced Fee Use '045' to denote Over Height - Continental Europe	
	075	New Code Added by IC [15-01] 75% Ocean Differential - 20 From 40	
	085	New Code Added by IC [15-01] 85% Inland Differential - 20 From 40	
	170	Certificate of Origin [15-01] Certificate of Origin Use '170' to denote Over Height - Iraq	
	510	Offshore - Alaska/Hawaii Service [15-01] Offshore - Alaska/Hawaii Service Use '510' to denote Over Height - Jordan	
	555	Preparation of Canadian Customs Invoice [15-01] Preparation of Canadian Customs Invoice Use '555' to denote Agricultural Clearance	
	565	Preparation of Export Entry [15-01] Preparation of Export Entry Use '565' to denote Over Height - Kuwait	
	A1M	Aggregate 1000 [15-01] Aggregate 1000 Use 'A1M' to denote Enhanced ITV - GEN II - Door	
	A3M	Aggregate 3000 [15-01] Aggregate 3000 Use 'A3M' to denote Enhanced ITV - GEN II - Port	

A5M	Aggregate 5000 [15-01] Aggregate 5000 Use 'A5M' to denote Over Height Surcharge - United Arab Emirate
AFN	Air Craft Furnished and Not Used [15-01] Air Craft Furnished and Not Used Use 'AFN' to denote Aircraft Handling/Air Terminal Services
AGG	Aggregate Tender Discount [15-01] Aggregate Tender Discount Use 'AGG' to denote Live Load
APD	Additional Copy of Shipping Papers for Proof of Delivery [15-01] Additional Copy of Shipping Papers for Proof of Delivery Use 'APD' to denote Scanning is to describe the action of scanning the cargo as it relates to security procedures. This accessorial also has a price scheme associated with it. DEFINITION UPDATE DM 1212
APL	Appliance Servicing The additional service charge or order for a transportation carrier to service used household goods appliances by securing the item in such a manner that it withstand handling and transportation [15-01] Appliance Servicing
ARG	Rail Armed Guard Service [15-01] Rail Armed Guard Service Use 'ARG' to denote High Risk Waters Armed Security
ARR	Air Ride Tractor Service [15-01] Air Ride Tractor Service Use 'ARR' to denote Port Arbitrary
AT	Attachment to Move with Car [15-01] Attachment to Move with Car Use 'AT' to denote Afghanistan Rail Accessorial
AV	Annual Volume [15-01] Annual Volume Use 'AV' to denote Tank Container
BA	Clearinghouse Balance [15-01] Clearinghouse Balance Use 'BA' to denote Outer Routing Torkham
BCP	Bypass Consolidation Point [15-01] Bypass Consolidation Point Use 'BCP' to denote Import Border Clearance
BKA	Bulky Article The additional service charge or order for a transportation carrier to service motorcycles, tractors, riding lawn mowers, privately owned vehicles, and other personal effects of unusual size or nature by securing the item in such a manner that will withstand handling and transportation [15-01] Bulky Article Use 'BKA' to denote Unusual Size Differential
BNS	Bolster Load, Do Not Switch [15-01] Bolster Load, Do Not Switch Use 'BNS' to denote 45 Foot Container Differential

BU2	Bunker Adjustment - 20 Foot Container [15-01] Bunker Adjustment - 20 Foot Container
BU4	Bunker Adjustment - 40 Foot Container [15-01] Bunker Adjustment - 40 Foot Container
BUA	Bunker Adjustment [15-01] Bunker Adjustment
BW	Bill Shipper for Weigh Charge [15-01] Bill Shipper for Weigh Charge Use 'BW' to denote Live Unload
CA2	Currency Adjustment - 20 Foot Container [15-01] Currency Adjustment - 20 Foot Container
CA4	Currency Adjustment - 40 Foot Container [15-01] Currency Adjustment - 40 Foot Container
CCH	Certification [15-01] Certification Use 'CCH' to denote Enhanced ITV - GEN I
CFC	Customs Fees - Container Level [15-01] Customs Fees - Container Level Use 'CFC' to denote Cargo Clearance Import
CFL	Customs Fees - Lift Level [15-01] Customs Fees - Lift Level
CGT	Cargo Taxes [15-01] Cargo Taxes Use 'CGT' to denote Tax Authority Clearance (TA)
CH	Carrier [15-01] Carrier Use 'CH' to denote 48 Foot Container Differential
CLN	Cleaning [15-01] Cleaning Use 'CLN' to denote Rinsing
CLS	Class Rates Applied [15-01] Class Rates Applied Use 'CLS' to denote 53 Foot Container Differential
COR	Certification That the Newsprint Winding Cores Being Returned Empty Were Received Filled by Rail Freight Service [15-01] Certification That the Newsprint Winding Cores Being Returned Empty Were Received Filled by Rail Freight Service Use 'COR' to denote Outer Routing - KUT
CPC	Copilot Service [15-01] Copilot Service Use 'CPC' to denote Expedited Origin Linehaul (up to 199 miles)
CRL	Container Lease [15-01] Container Lease
CTL	Controlled Atmosphere [15-01] Controlled Atmosphere
CTM	Container Mounting Carrier mounts container onto chassis [15-01] Container Mounting Use 'CTM' to denote Outer Routing - KKT

CTR	Circuitous Routing [15-01] Circuitous Routing Use 'CTR' to denote Outer Routing - Chaman
CUF	Currency Adjustment - Break Bulk [15-01] Currency Adjustment - Break Bulk Use 'CUF' to denote Currency Adjustment
DA	Dangerous [15-01] Dangerous
DDZ	Drayage at Port of Debarkation (Rate Zone) [15-01] Drayage at Port of Debarkation (Rate Zone)
DEZ	Drayage at Port of Embarkation (Rate Zone) [15-01] Drayage at Port of Embarkation (Rate Zone)
DFD	Keep From Freezing Percent Differential [15-01] Keep From Freezing Percent Differential
DLP	Delivery of Fuel From Rail Tank Car to Pipeline [15-01] Delivery of Fuel From Rail Tank Car to Pipeline Use 'DLP' to denote Fuel Adjustment Factor (FAF)
DLR	Notify Shipper Immediately if Shipment is Delayed en Route [15-01] Notify Shipper Immediately if Shipment is Delayed en Route Use 'DLR' to denote Daily In-Transit Visibility Origin
DM	Domestic [15-01] Domestic Use 'DM' to denote Refrigerated Container Maintenance (With Power)
DNC	Do Not Couple to Other Diaphragmed Cars [15-01] Do Not Couple to Other Diaphragmed Cars Use 'DNC' to denote Daily In-transit Visibility Destination
DOV	Container Diversion [15-01] Container Diversion
DPD	Drayage at Port of Debarkation [15-01] Drayage at Port of Debarkation
DPE	Drayage at Port of Embarkation [15-01] Drayage at Port of Embarkation
DR	Drop Yard [15-01] Drop Yard Use 'DR' to denote Drop and Pick Up
DRU	Drumming Service Carrier responsible for transferring product into drums at the point of delivery [15-01] Drumming Service Use 'DRU' to denote Tarping at Origin
DSR	Dromedary Service Requested [15-01] Dromedary Service Requested Use 'DSR' to denote Flatrack Tie-Down
DV	Equipment [15-01] Equipment Use 'DV' to denote Nuclear Liability Insurance

ERT	Satisfactory Service Standards [15-01] Satisfactory Service Standards Use 'ERT' to denote Refrigerated Container Maintenance (Without Power)
EXD	Extra Driver [15-01] Extra Driver
EXL	Extra Length Surcharge [15-01] Extra Length Surcharge Use 'EXL' to denote Container/Trailer Over-length Surcharge
EXQ	Expedited Service Motor service for the immediate dispatch of equipment in continuous line-haul service to meet delivery schedules [15-01] Expedited Service Use 'EXQ' to denote Expediate Delivery
EXU	Exclusive Use of Vehicle Damaged [15-01] Exclusive Use of Vehicle Damaged Use 'EXU' to denote Cargo Handling Import
EXZ	Expand Remove and Install The additional service charge or order for a transportation carrier to prepare, separate, and seal an expando room attached to a mobile home prior to movement and secure the room at destination after the transportation from one location to another has been performed [15-01] Expand Remove and Install Use 'EXZ' to denote Cargo Clearance Export
EZE	Roadway Easy Rates Applied [15-01] Roadway Easy Rates Applied Use 'EZE' to denote Enhanced Physical Security
FAK	Barge Freight All Kinds Service [15-01] Barge Freight All Kinds Service
FFC	Fuel Filters Furnished by Carrier [15-01] Fuel Filters Furnished by Carrier Use 'FFC' to denote Security Convoy
FLS	Flatrack Surcharge [15-01] Flatrack Surcharge
FR	Fragile - Handle with Care [15-01] Fragile - Handle with Care Use 'FR' to denote Customs & Border Clearance Authority (CBCA) Handling Aqaba
GI	Grain Inspection [15-01] Grain Inspection Use 'GI' to denote Expedited Linehaul to POE
GMS	Garment Surcharge [15-01] Garment Surcharge
GSS	Greater Security Service [15-01] Greater Security Service
HAN	Handling [15-01] Handling
HE	Head End Car [15-01] Head End Car Use 'HE' to denote Hazardous Surcharge Destination
HMA	Accessible Hazardous Material [15-01] Accessible Hazardous Material Use 'HMA' to denote Railcar Inspection

HO	Hold for Orders [15-01] Hold for Orders Use 'HO' to denote Hazardous Surcharge Origin
HZC	Hazardous Materials Surcharge [15-01] Hazardous Materials Surcharge Use 'HZC' to denote Ammunition Line Haul Service
HZD	Hazardous Cargo On Deck [15-01] Hazardous Cargo On Deck
IIH	Icing Inhibitor Service [15-01] Icing Inhibitor Service Use 'IIH' to denote Side-load Chassis
JLX	Joint Line Exception [15-01] Joint Line Exception Use 'JLX' to denote ACR 40FT DRY (BAGRAM)
KMD	Keep Material Dry [15-01] Keep Material Dry Use 'KMD' to denote Dry Container Trucking
LC2	Land Currency Adjustment Factor - 20 Foot Container [15-01] Land Currency Adjustment Factor - 20 Foot Container Use 'LC2' to denote Interior Washing - Interior washing for vehicles on flat racks
LC4	Land Currency Adjustment - 40 Foot Container [15-01] Land Currency Adjustment - 40 Foot Container Use 'LC4' to denote Outer Routing on KKT-TSR - Northern Distribution Network (NDN) routing
LCL	Percent Differential - Less Than Container [15-01] Percent Differential - Less Than Container
LD	Loading Devices [15-01] Loading Devices Use 'LD' to denote Transloading/Material Handling Equipment (MHE) Support
LEC	Less Than Container [15-01] Less Than Container
LFD	Linehaul from Port of Debarkation [15-01] Linehaul from Port of Debarkation
LMD	Liner Terms at Port of Debarkation [15-01] Liner Terms at Port of Debarkation
LME	Liner Terms at Port of Embarkation [15-01] Liner Terms at Port of Embarkation
LPD	Linehaul Percent Differential [15-01] Linehaul Percent Differential
LTE	Linehaul To Port of Embarkation [15-01] Linehaul To Port of Embarkation
MAT	Modified Atmosphere [15-01] Modified Atmosphere
MES	Escort [15-01] Escort Use 'MES' to denote Escort/Supercargo
MP	Multiple Pickup [15-01] Multiple Pickup Use 'MP' to denote Drop and Pick - Round Robin (Per booking)

NI	New Equipment First Transborder Movement [15-01] New Equipment First Transborder Movement Use 'NI' to denote Customs & Border Clearance Authority (CBCA) Handling Jebel Ali
OCN	Over Height Container [15-01] Over Height Container
OCS	Completing Shipment [15-01] Completing Shipment Use 'OCS' to denote Requirement for a Complete Washing to Comply with USDA Regulations
OFU	Fumigation The additional service charge or order for a transportation carrier to fumigate a household goods shipment that is insect infested [15-01] Fumigation
OHC	Harmless [15-01] Harmless Use 'OHC' to denote Overheight Surcharge Afghanistan
OOD	On Deck Stowage [15-01] On Deck Stowage
OSB	Stow Below Deck [15-01] Stow Below Deck
OTC	Temperature Control [15-01] Temperature Control Use 'OTC' to denote Dual Temperature Reefer Service
OVR	Overflow [15-01] Overflow Use 'OVR' to denote Overweight 70000 For Break Bulk Only
OWC	Over Width Container [15-01] Over Width Container
OWR	One Way Rates Applied [15-01] One Way Rates Applied Use 'OWR' to denote Overweight 44000 For Break Bulk Only
PRT	Stuffing Charge [15-01] Stuffing Charge
PS	Product Protection Service [15-01] Product Protection Service Use 'PS' to denote 3D Inspection (Disinfestation, Disinsection, Disinfection, and Sanitation)
PTS	Protective Tarp For Security Purposes [15-01] Protective Tarp For Security Purposes Use 'PTS' to denote Tarping at Destination
PUK	Pack and Unpack The additional service charge or order for a transportation carrier to provide packing services at the origin location and unpacking services at destination site; including labor, packing material, and containers; as part of a household goods shipment [15-01] Pack and Unpack Use 'PUK' to denote Crating
PVP	Private Owned Vehicle Processing [15-01] Private Owned Vehicle Processing

RDH	Railhead Handling [15-01] Railhead Handling
REP	Respotting [15-01] Respotting
RFM	Reefer Maintenance [15-01] Reefer Maintenance
RPD	Reefer Cargo Percent Differential [15-01] Reefer Cargo Percent Differential Use 'RPD' to denote Percentage Differential Accessorial for Refrigerated Cargo
RRR	Round Trip Service [15-01] Round Trip Service Use 'RRR' to denote Genset Rental
RT	Record for Transit [15-01] Record for Transit Use 'RT' to denote Protective Weapon Service
SD	Subject to Special Detention Rules/Charges [15-01] Subject to Special Detention Rules/Charges
SEC	Special Equipment Charge [15-01] Special Equipment Charge Use 'SEC' to denote Open-Top Surcharge when an Open Top Container (Van Type Code is '4') is ordered
SER	Service Charge Applies [15-01] Service Charge Applies Use 'SER' to denote Service Charge Applies/Guam Fee for Fruits and Vegetables
SFB	Single Factor Origination/Destination [15-01] Single Factor Origination/Destination
SFD	Single Factor Origination/Port of Debarkation [15-01] Single Factor Origination/Port of Debarkation
SFE	Single Factor Port of Embarkation/Destination [15-01] Single Factor Port of Embarkation/Destination
SLC	Shipper Load and Count [15-01] Shipper Load and Count Use 'SLC' to denote Superload
SOC	Stop-off Service for stop-off in transit to complete loading or to partially unload a shipment [15-01] Stop-off Use 'SOC' to denote Mini Stop-Off (OCONUS)
SPC	Special Permit [15-01] Special Permit Use 'SPC' to denote Small Arms Ammunition
SSC	Stripping, Sorting & Consolidation [15-01] Stripping, Sorting & Consolidation Use 'SSC' to denote Stripping
SSN	Substitute Service Not to be Used [15-01] Substitute Service Not to be Used Use 'SSN' to denote Origin Special Services - Afghanistan
SSU	Pole Lashing Equipment (PLE) Surcharge [15-01] Pole Lashing Equipment (PLE) Surcharge
STA	Conductivity/Anti-static Additive [15-01] Conductivity/Anti-static Additive Use 'STA' to denote Expedited Origin Linehaul (200 miles to 400 miles)

STD	Stop-off at Destination [15-01] Stop-off at Destination Use 'STD' to denote OCONUS Stop-off
STO	Stowage [15-01] Stowage
STP	Stop-off at Origination [15-01] Stop-off at Origination Use 'STP' to denote CONUS Stop-off
TER	Terminal Handling Charges [15-01] Terminal Handling Charges
TRM	Termination The additional service charge or order for a transportation carrier to terminate the movement of a household goods shipment at origin or enroute to a destination location [15-01] Termination Use 'TRM' to denote Transloading Destination
TRN	Transfer Product Carrier required to provide labor and equipment to transfer product [15-01] Transfer Product Use 'TRN' to denote Transloading Origin
TRS	Trade Show [15-01] Trade Show Use 'TRS' to denote Expedited Origin Linehaul (401 miles to 599 miles)
TS	Transit Shipment [15-01] Transit Shipment Use 'TS' to denote Mini Stop-Offs (CONUS)
TT	Team Track Delivery [15-01] Team Track Delivery Use 'TT' to denote Expedited Origin Linehaul (base charge > 599 miles)
TV	Time Volume Rates Only [15-01] Time Volume Rates Only Use 'TV' to denote Expedited Origin Linehaul (ad'll charge > 599 miles)
VCL	Van Cleaning [15-01] Van Cleaning Use 'VCL' to denote Wash-Clean-Purge-Certified
VIS	Vehicles Inoperable Applies when a vehicle cannot be driven under its own power onto the carrier's conveying equipment [15-01] Vehicles Inoperable
VSO	Stop-off Delivery of Personal Vehicles [15-01] Stop-off Delivery of Personal Vehicles Use 'VSO' to denote Veterinarian Inspectable
WBB	Wharfage - Breakbulk [15-01] Wharfage - Breakbulk
WCT	Wharfage - Container [15-01] Wharfage - Container
WFG	Wharfage [15-01] Wharfage
WRB	War Risk Crew Bonus [15-01] War Risk Crew Bonus
WRI	War Risk Insurance [15-01] War Risk Insurance

			XP	Export [15-01] Export Use 'XP' to denote An Accessorial Export Border Clearance Service will be Applied for Break Bulk and Container Cargo Originating from Afghanistan to Pakistan for Export via Karachi, Pakistan			
			ZZZ	Mutually Defined [15-01] Mutually Defined Use 'ZZZ' to denote Customs Services-Cargo Clearance			
	<b>H302</b>	<b>153</b>	<b>Special Handling Description</b>		<b>X</b>	<b>1</b>	<b>AN 2/30</b>
			Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate				
			[15-02] Special Handling Description Free-form description of special handling instructions if no accessorial code is available ELEMENT CONDITION: Only use when a code does not exist. Do not use if H301 is being used.				
<b>X</b>	<b>H303</b>	<b>241</b>	<b>Protective Service Code</b>		<b>O</b>	<b>1</b>	<b>ID 1/4</b>
			Code specifying perishable protective service- rail carriers only Refer to 007020 Data Element Dictionary for acceptable code values.				
<b>X</b>	<b>H304</b>	<b>242</b>	<b>Vent Instruction Code</b>		<b>O</b>	<b>1</b>	<b>ID 1/7</b>
			Code specifying vent instructions Refer to 007020 Data Element Dictionary for acceptable code values.				
<b>X</b>	<b>H305</b>	<b>257</b>	<b>Tariff Application Code</b>		<b>O</b>	<b>1</b>	<b>ID 1/1</b>
			Code indicating to which traffic a tariff applies Refer to 007020 Data Element Dictionary for acceptable code values.				

**Segment:** **LX** Transaction Set Line Number  
**Position:** 0100  
**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:**

[16] LX SEGMENT - Breakbulk/Container Information Loop  
 One, and only one, TCN is permitted per LX loop. When booking breakbulk/containerized cargo the LX loop will be repeated for each Transportation Control Number (TCN).

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	LX01	554 Assigned Number	M 1 N0 1/6
		Number assigned for differentiation within a transaction set	
		[16-01] Assigned Number	
		Assigned Number: When booking breakbulk/containerized cargo, assign numbers sequentially, i.e., 1,2,3,4, . . . , 999. Start with "1" and increment by one for each occurrence of the LX loop; limited to one TCN per LX loop.	

<b>Segment:</b>	<b>N7</b> Equipment Details
<b>Position:</b>	0200
<b>Loop:</b>	LX Mandatory
<b>Level:</b>	Detail
<b>Usage:</b>	Optional
<b>Max Use:</b>	1
<b>Purpose:</b>	To identify the equipment
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either N703 or N704 is present, then the other is required.</li> <li>2 If either N705 or N716 is present, then the other is required.</li> <li>3 If either N708 or N709 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 N712 is the owner of the equipment.</li> <li>2 N723 is the operator or carrier of the rights of the equipment.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 N701 is mandatory for rail transactions.</li> <li>2 N720 and N721 are expressed in inches.</li> </ol>
<b>Notes:</b>	[17] N7 SEGMENT - Equipment Description SEGMENT CONDITION: Only used for CONTAINERIZED CARGO. Do NOT use for breakbulk cargo.

**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 1 AN 1/4</b>
			Prefix or alphabetic part of an equipment unit's identifying number	
			[17-01] Equipment Initial	
			SOURCE: Directory of Standard Carrier Alpha Codes (SCAC), NMF 101 Series available from National Motor Freight Traffic Association, Inc; Railroad Mark Register available from Director, Industry Reference Files	
			Railinc/Association of American Railroads	
<b>M</b>	<b>N702</b>	<b>207</b>	<b>Equipment Number</b>	<b>M 1 AN 1/15</b>
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	
			[17-02] Equipment Number	
			Because this data element is mandatory and the container number is not normally known at the time of booking, use zero (0).	
<b>X</b>	<b>N703</b>	<b>81</b>	<b>Weight</b>	<b>X 1 R 1/10</b>
			Numeric value of weight	
<b>X</b>	<b>N704</b>	<b>187</b>	<b>Weight Qualifier</b>	<b>X 1 ID 1/2</b>
			Code specifying the type of weight	
			Refer to 007020 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>N705</b>	<b>167</b>	<b>Tare Weight</b>	<b>X 1 N0 3/8</b>
			Weight of the equipment	
<b>X</b>	<b>N706</b>	<b>232</b>	<b>Weight Allowance</b>	<b>O 1 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 1 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 1 R 1/8</b>
			Value of volumetric measure	
<b>X</b>	<b>N709</b>	<b>184</b>	<b>Volume Unit Qualifier</b>	<b>X 1 ID 1/1</b>
			Code identifying the volume unit	
			Refer to 007020 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>N710</b>	<b>102</b>	<b>Ownership Code</b>	<b>O 1 ID 1/1</b>
			Code indicating the relationship of equipment to carrier or ownership of equipment	
			Refer to 007020 Data Element Dictionary for acceptable code values.	

>>

N711

40

**Equipment Description Code**

O

1 ID 2/2

Code identifying type of equipment used for shipment

[17-11] Equipment Description Code

AC	Closed Container [17-11] Closed Container
AT	Closed Container (Controlled Temperature) [17-11] Closed Container (Controlled Temperature)
BC	Covered Barge [17-11] Covered Barge
BK	Container, Bulk [17-11] Container, Bulk
BO	Barge Open [17-11] Barge Open
BR	Barge [17-11] Barge
CC	Container resting on a Chassis [17-11] Container resting on a Chassis
CG	Container, Tank (Gas) [17-11] Container, Tank (Gas)
CI	Container, Insulated [17-11] Container, Insulated
CJ	Container, Insulated/Ventilated [17-11] Container, Insulated/Ventilated
CL	Container (Closed Top - Length Unspecified) [17-11] Container (Closed Top - Length Unspecified)
CM	Container, Open-Sided [17-11] Container, Open-Sided
CN	Container [17-11] Container
CQ	Container, Tank (Food Grade-Liquid) [17-11] Container, Tank (Food Grade-Liquid)
CS	Container-Low Side Open Top [17-11] Container-Low Side Open Top
CU	Container (Open Top - Length Unspecified) [17-11] Container (Open Top - Length Unspecified)
CV	Closed Van [17-11] Closed Van
CW	Container, Tank (Chemicals) [17-11] Container, Tank (Chemicals)
CX	Container, Tank [17-11] Container, Tank
CZ	Refrigerated Container [17-11] Refrigerated Container
DT	Drop Back Trailer [17-11] Drop Back Trailer
FH	Flat Bed Trailer with Headboards [17-11] Flat Bed Trailer with Headboards
FN	Flat Bed Trailer with No Headboards [17-11] Flat Bed Trailer with No Headboards

FR	Flat Bed Trailer - Removable Sides [17-11] Flat Bed Trailer - Removable Sides
FT	Flat Bed Trailer [17-11] Flat Bed Trailer
HB	Container with Hangar Bars Container must be equipped with hangar beams/bars for garment shipments [17-11] Container with Hangar Bars
HV	High Cube Van [17-11] High Cube Van
IX	Boxcar (Insulated) [17-11] Boxcar (Insulated)
LS	Half Height Flat Rack [17-11] Half Height Flat Rack
OT	Open-top/flatbed trailer [17-11] Open-top/flatbed trailer
OV	Open Top Van [17-11] Open Top Van
PL	Container, Platform [17-11] Container, Platform
RA	Fixed-Rack, Flat-Bed Trailer A flatbed trailer with an A-frame [17-11] Fixed-Rack, Flat-Bed Trailer
RC	Refrigerated (Reefer) Car [17-11] Refrigerated (Reefer) Car
RD	Fixed-Rack, Double Drop Trailer A double-drop, flatbed with an A-frame [17-11] Fixed-Rack, Double Drop Trailer
RE	Flat Car (End Bulkheads) [17-11] Flat Car (End Bulkheads)
RF	Flat Car [17-11] Flat Car
RR	Rail Car [17-11] Rail Car
RS	Fixed-Rack, Single-Drop Trailer A single-drop, flatbed with an A-frame [17-11] Fixed-Rack, Single-Drop Trailer
RT	Controlled Temperature Trailer (Reefer) [17-11] Controlled Temperature Trailer (Reefer)
SD	Single-Drop Trailer A flatbed trailer with one drop deck [17-11] Single-Drop Trailer
SL	Container, Steel Container must be made of steel [17-11] Container, Steel
SS	Container with Smooth Sides Walls in ocean container must be flat/smooth [17-11] Container with Smooth Sides
ST	Removable Side Trailer [17-11] Removable Side Trailer

TA	Trailer, Heated/Insulated/Ventilated [17-11] Trailer, Heated/Insulated/Ventilated
TC	Trailer, Car [17-11] Trailer, Car
TF	Trailer, Dry Freight [17-11] Trailer, Dry Freight
TI	Trailer, Insulated [17-11] Trailer, Insulated
TL	Trailer (not otherwise specified) [17-11] Trailer (not otherwise specified)
TM	Trailer, Insulated/Ventilated [17-11] Trailer, Insulated/Ventilated
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 [17-11] Trailer, Refrigerated
VA	Container, Vented Dry container must have vent openings for air exchange [17-11] Container, Vented

X	N712	140	<b>Standard Carrier Alpha Code</b> Code identifying the Standard Carrier Alpha Code	O	1	ID 2/4
X	N713	319	<b>Temperature Control</b> Free-form abbreviation of temperature range or flash-point temperature	O	1	AN 3/6
X	N714	219	<b>Position</b> Relative position of shipment in car, trailer, or container (mutually defined)	O	1	AN 1/3
>>	N715	567	<b>Equipment Length</b> 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) [17-15] Equipment Length Equipment length. 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) - 2000 its a 20FT-Dry	O	1	N0 4/5
X	N716	571	<b>Tare Qualifier Code</b> Code identifying the type of tare Refer to 007020 Data Element Dictionary for acceptable code values.	X	1	ID 1/1
X	N717	188	<b>Weight Unit Code</b> Code specifying the weight unit Refer to 007020 Data Element Dictionary for acceptable code values.	O	1	ID 1/1
X	N718	761	<b>Equipment Number Check Digit</b> Number which designates the check digit applied to a piece of equipment	O	1	N0 1/1
X	N719	56	<b>Type of Service Code</b> Code specifying extent of transportation service requested Refer to 007020 Data Element Dictionary for acceptable code values.	O	1	ID 2/2
	N720	65	<b>Height</b> Vertical dimension of an object measured when the object is in the upright position [17-20] Height Vertical dimension of an object measured when the object is in the upright position. Expressed in inches.	O	1	R 1/8
X	N721	189	<b>Width</b> Shorter measurement of the two horizontal dimensions measured with the object in the upright position	O	1	R 1/8

X	N722	24	<b>Equipment Type Code</b> Code identifying equipment type	O	1 ID 4/4
X	N723	140	<b>Standard Carrier Alpha Code</b> Code identifying the Standard Carrier Alpha Code	O	1 ID 2/4
X	N724	301	<b>Car Type Code</b> Code specifying type of rail car or intermodal equipment type and its general characteristics	O	1 ID 1/4

**Segment:** **L0** Line Item - Quantity and Weight  
**Position:** 0400  
**Loop:** LX Mandatory  
**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:** [18] L0 SEGMENT - Weight/Volume/Pieces/Lading Quantity

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
>>	L001	213	<b>Lading Line Item Number</b> Sequential line number for a lading item [18-01] Lading Line Item Number Sequential line number for a lading item. Should match the value from the LX01.	O 1 N0 1/6
X	L002	220	<b>Billed/Rated-as Quantity</b> Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	X 1 R 1/11
X	L003	221	<b>Billed/Rated-as Qualifier</b> Code identifying the type of quantity or value on which the rate or item pricing is based Refer to 007020 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
>>	L004	81	<b>Weight</b> Numeric value of weight [18-04] Weight	X 1 R 1/10
>>	L005	187	<b>Weight Qualifier</b> Code specifying the type of weight [18-05] Weight Qualifier E Estimated Net Weight [18-05] Estimated Net Weight	X 1 ID 1/2
	L006	183	<b>Volume</b> Value of volumetric measure [18-06] Volume	X 1 R 1/8
	L007	184	<b>Volume Unit Qualifier</b> Code identifying the volume unit [18-07] Volume Unit Qualifier E Cubic Feet [18-07] Cubic Feet	X 1 ID 1/1

	<b>L008</b>	<b>80</b>	<b>Lading Quantity</b>	<b>X</b>	<b>1</b>	<b>N0 1/7</b>
			Number of units (pieces) of the lading commodity			
			[18-08] Lading Quantity			
			This is the number of Breakbulk pieces. For Containers, enter "1" (one); provide the actual value of the container content in the 315 as specified in the Shipping Instructions			
	<b>L009</b>	<b>211</b>	<b>Packaging Form Code</b>	<b>X</b>	<b>1</b>	<b>ID 3/3</b>
			Code specifying the packaging form of the lading quantity			
			[18-09] Packaging Form Code			
			This Data Element is the qualifier for L008.			
			PCS Pieces			
			[18-09] Pieces			
<b>X</b>	<b>L010</b>	<b>458</b>	<b>Dunnage Description</b>	<b>O</b>	<b>1</b>	<b>AN 2/25</b>
			Material used to protect lading			
	<b>L011</b>	<b>188</b>	<b>Weight Unit Code</b>	<b>O</b>	<b>1</b>	<b>ID 1/1</b>
			Code specifying the weight unit			
			[18-11] Weight Unit Code			
			K Kilograms			
			[18-11] Kilograms			
			L Pounds			
			[18-11] Pounds			
<b>X</b>	<b>L012</b>	<b>56</b>	<b>Type of Service Code</b>	<b>O</b>	<b>1</b>	<b>ID 2/2</b>
			Code specifying extent of transportation service requested			
			Refer to 007020 Data Element Dictionary for acceptable code values.			
<b>X</b>	<b>L013</b>	<b>380</b>	<b>Quantity</b>	<b>X</b>	<b>1</b>	<b>R 1/15</b>
			Numeric value of quantity			
<b>X</b>	<b>L014</b>	<b>211</b>	<b>Packaging Form Code</b>	<b>O</b>	<b>1</b>	<b>ID 3/3</b>
			Code specifying the packaging form of the lading quantity			
			Refer to 007020 Data Element Dictionary for acceptable code values.			
<b>X</b>	<b>L015</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>X</b>	<b>1</b>	<b>ID 1/1</b>
			Code indicating a Yes or No condition or response			
			Refer to 007020 Data Element Dictionary for acceptable code values.			

**Segment:** **L5** Description, Marks and Numbers  
**Position:** 0500  
**Loop:** LX Mandatory  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**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:** [19] L5 SEGMENT - Commodity Description

**Data Element Summary**

Ref.	Data Element	Name	Attributes
>>	L501	213 Lading Line Item Number	O 1 N0 1/6
		Sequential line number for a lading item [19-01] Lading Line Item Number Sequential line number for a lading item. Should match the value from the LX01 and L001.	
	L502	79 Lading Description	O 1 AN 1/50
		Description of an item as required for rating and billing purposes [19-02] Lading Description This is a free form text describing the commodity code.	
>>	L503	22 Commodity Code	X 1 AN 1/30
		Code describing a commodity or group of commodities [19-03] Commodity Code Enter the Commodity Code as found in the USTRANSCOM Reference Data Management (TRDM) mirrored at <a href="http://www.transcom.mil/cmd/associated/dteb/files/refdata/V_WT_COM.htm">http://www.transcom.mil/cmd/associated/dteb/files/refdata/V_WT_COM.htm</a> .	
>>	L504	23 Commodity Code Qualifier	X 1 ID 1/2
		Code identifying the commodity coding system used for Commodity Code [19-04] Commodity Code Qualifier I Milstamp AITC or Water Commodity Code [19-04] Milstamp AITC or Water Commodity Code	
	L505	103 Packaging Code	O 1 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 [19-05] Packaging Code The only allowable code values used with containerized bookings are 'CNT', 'SV2', 'ML2', and 'MS2'. Use all other code values with breakbulk. AMM Ammo Pack [19-05] Ammo Pack AMP Ampoule [19-05] Ampoule BAG Bag [19-05] Bag BBL Barrel [19-05] Barrel BDL Bundle [19-05] Bundle BOX Box [19-05] Box	

CAN	Can [19-05] Can
CNA	Household Goods Container, Wood [19-05] Household Goods Container, Wood
CNT	Container [19-05] Container
CRT	Crate [19-05] Crate
CTN	Carton [19-05] Carton
CX2	CONEX A reusable container for shipment of cargo [19-05] CONEX
CYL	Cylinder [19-05] Cylinder
DBK	Dry Bulk [19-05] Dry Bulk
DRM	Drum [19-05] Drum
KEG	Keg [19-05] Keg
LBK	Liquid Bulk [19-05] Liquid Bulk
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 [19-05] MILVAN
MS2	MSCVAN A commercial (leased) or Government-owned shipping container controlled by the Military Sealift Command [19-05] MSCVAN
PCS	Pieces [19-05] Pieces
PLT	Pallet [19-05] Pallet
REL	Reel [19-05] Reel
SKD	Skid [19-05] Skid
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 [19-05] SEAVAN
TNK	Tank [19-05] Tank
VEH	Vehicles [19-05] Vehicles Use 'VEH' to denote Vehicles Inoperable (INOP)
WHE	On Own Wheel [19-05] On Own Wheel Use 'WHE' to denote Self Propelled

X	L506	87	<b>Marks and Numbers</b> Marks and numbers used to identify a shipment or parts of a shipment	X	1	AN 1/48
X	L507	88	<b>Marks and Numbers Qualifier</b> Code specifying the application or source of Marks and Numbers (87) Refer to 007020 Data Element Dictionary for acceptable code values.	O	1	ID 1/2
X	L508	23	<b>Commodity Code Qualifier</b> Code identifying the commodity coding system used for Commodity Code Refer to 007020 Data Element Dictionary for acceptable code values.	X	1	ID 1/2
X	L509	22	<b>Commodity Code</b> Code describing a commodity or group of commodities	X	1	AN 1/30
X	L510	595	<b>Compartment ID Code</b> Code identifying the compartment in a compartmentalized tank car Refer to 007020 Data Element Dictionary for acceptable code values.	O	1	ID 1/1

**Segment:** **L4** Measurement  
**Position:** 0600  
**Loop:** LX Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To describe physical dimensions and quantities  
**Syntax Notes:**  
**Semantic Notes:** 1 L406 is the Rounding in Pattern for dimensional shipments.  
**Comments:**  
**Notes:** [20] L4 SEGMENT - Measurements  
 SEGMENT CONDITION: Only use for Breakbulk cargo.

**Data Element Summary**

Ref.	Data Des.	Element	Name	Attributes
M	L401	82	<b>Length</b> Largest horizontal dimension of an object measured when the object is in the upright position [20-01] Length Expressed in inches	M 1 R 1/8
M	L402	189	<b>Width</b> Shorter measurement of the two horizontal dimensions measured with the object in the upright position [20-02] Width Expressed in inches	M 1 R 1/8
M	L403	65	<b>Height</b> Vertical dimension of an object measured when the object is in the upright position [20-03] Height Expressed in inches	M 1 R 1/8
M	L404	90	<b>Measurement Unit Qualifier</b> Code specifying the linear dimensional unit [20-04] Measurement Unit Qualifier N Inches [20-04] Inches	M 1 ID 1/1
X	L405	380	<b>Quantity</b> Numeric value of quantity	O 1 R 1/15
	L406	1271	<b>Industry Code</b> Code indicating a code from a specific industry code list [20-06] Outsized Code Use 'O' to denote Outsized O New Code Added by IC [20-06] Outsized	O 1 AN 1/30

**Segment:** **L1 Rate and Charges**  
**Position:** 0650  
**Loop:** LX Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 20  
**Purpose:** To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

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

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

**Comments:**

**Notes:** [21] L1 SEGMENT - Rate and Charges  
Only one of L108 or L112 may be present.  
SEGMENT CONDITION: There will be 1 (one) L1 for every charge that is greater or less than 0 (zero). If the charge equals 0 (zero), the L1 will not be used.

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
>>	L101	<b>213 Lading Line Item Number</b> Sequential line number for a lading item [21-01] Lading Line Item Number Assign counter sequentially (beginning with 01) i.e. 01, 02, ... 20	O 1 N0 1/6
	L102	<b>60 Freight Rate</b> Rate that applies to the specific commodity [21-02] Contract Line Item Number (CLIN) This is the CLIN that is associated with the charge.	X 1 R 1/15
	L103	<b>122 Rate/Value Qualifier</b> Code identifying how to extend charges or interpret value [21-03] CLIN Qualifier DD Department of Defense Unique Codes [21-03] Department of Defense Unique Codes	X 1 ID 2/2
>>	L104	<b>58 Amount Charged</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 [21-04] Charge	X 1 N2 1/15
X	L105	<b>191 Advances</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	X 1 N2 1/9
X	L106	<b>117 Prepaid Amount</b> Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	X 1 N2 1/15
X	L107	<b>120 Rate Combination Point Code</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 007020 Data Element Dictionary for acceptable code values.	O 1 AN 3/9

	<b>L108</b>	<b>150</b>	<b>Special Charge or Allowance Code</b>	<b>O</b>	<b>1</b>	<b>ID 3/3</b>
			Code identifying type of special charge or allowance			
			[21-08] Special Charge or Allowance Code			
			Use for "services" other than accessorial codes; report accessorial codes in Ref L112. If this data element is passed then L112 is NULL. Examples of reportable codes are COF (Ocean Freight), POE-POD, LTE (Line Haul to POE - Origin to POE Cost), LFD (POD to Destination Cost - Linehaul From POD).			
			Refer to 007020 Data Element Dictionary for acceptable code values.			
<b>X</b>	<b>L109</b>	<b>121</b>	<b>Rate Class Code</b>	<b>O</b>	<b>1</b>	<b>ID 1/3</b>
			Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k			
			Refer to 007020 Data Element Dictionary for acceptable code values.			
<b>X</b>	<b>L110</b>	<b>39</b>	<b>Entitlement Code</b>	<b>O</b>	<b>1</b>	<b>ID 1/1</b>
			Code identifying entitlement party			
			Refer to 007020 Data Element Dictionary for acceptable code values.			
<b>X</b>	<b>L111</b>	<b>16</b>	<b>Charge Method of Payment Code</b>	<b>O</b>	<b>1</b>	<b>ID 1/1</b>
			Code specifying method of payment			
			Refer to 007020 Data Element Dictionary for acceptable code values.			
	<b>L112</b>	<b>276</b>	<b>Special Charge Description</b>	<b>O</b>	<b>1</b>	<b>AN 2/25</b>
			Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150			
			[21-12] Special Charge Description			
			Use accessorial codes as designated by SDDC.			
<b>X</b>	<b>L113</b>	<b>257</b>	<b>Tariff Application Code</b>	<b>O</b>	<b>1</b>	<b>ID 1/1</b>
			Code indicating to which traffic a tariff applies			
			Refer to 007020 Data Element Dictionary for acceptable code values.			
<b>X</b>	<b>L114</b>	<b>74</b>	<b>Declared Value</b>	<b>X</b>	<b>1</b>	<b>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</b>	<b>1</b>	<b>ID 2/2</b>
			Code identifying how to extend charges or interpret value			
			Refer to 007020 Data Element Dictionary for acceptable code values.			
<b>X</b>	<b>L116</b>	<b>372</b>	<b>Lading Liability Code</b>	<b>O</b>	<b>1</b>	<b>ID 1/1</b>
			Code identifying limits of liability			
			Refer to 007020 Data Element Dictionary for acceptable code values.			
	<b>L117</b>	<b>220</b>	<b>Billed/Rated-as Quantity</b>	<b>X</b>	<b>1</b>	<b>R 1/11</b>
			Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81			
			[21-17] Care Rate			
	<b>L118</b>	<b>221</b>	<b>Billed/Rated-as Qualifier</b>	<b>X</b>	<b>1</b>	<b>ID 2/2</b>
			Code identifying the type of quantity or value on which the rate or item pricing is based			
			[21-18] Care Rate Code			
			OR			
			Other			
			[21-18] Other			
			Use 'OR' to denote Care Rate			
<b>X</b>	<b>L119</b>	<b>954</b>	<b>Percentage as Decimal</b>	<b>O</b>	<b>1</b>	<b>R 1/10</b>
			Percentage expressed as a decimal (e.g., 0.0 through 1.0 represents 0% through 100%)			
<b>X</b>	<b>L120</b>	<b>100</b>	<b>Currency Code</b>	<b>O</b>	<b>1</b>	<b>ID 3/3</b>
			Code specifying the Standard ISO code for country in whose currency the charges are specified			
<b>X</b>	<b>L121</b>	<b>610</b>	<b>Amount</b>	<b>O</b>	<b>1</b>	<b>N2 1/15</b>
			Monetary amount			

<b>X</b>	<b>L122</b>	<b>148</b>	<b>Lading Value</b>	<b>O</b>	<b>1 R 2/9</b>
			Value of shipment for export, expressed in the standard monetary denomination for the currency specified		

**Segment:** **REF** **Reference Information**  
**Position:** 0670  
**Loop:** LX Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
2 If either C04003 or C04004 is present, then the other is required.  
3 If either C04005 or C04006 is present, then the other is required.  
**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.  
**Comments:**  
**Notes:** [22] REF SEGMENT - Reference Information  
New segment to bring the TCN data from the N9 at the header level to the Detail level to relate to charges and accessorial codes. One REF segment per LX to pass the TCN data.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Code identifying the Reference Identification [22-01] Reference Identification Qualifier Code specifying the Reference Identification. TG Transportation Control Number (TCN) [22-01] Transportation Control Number (TCN)	M 1 ID 2/3
>>	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [22-02] Reference Identification Value that represents the Transportation Control Number to which the data provided in the LX loop applies.	X 1 AN 1/80
	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content [22-03] Description The value that represents the Transportation Tracking Number (TTN). ELEMENT CONDITION: Mandatory if TTN is available	X 1 AN 1/80
	REF04	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier [22-04] C040 Reference Identifier	O 1
M	C04001	128	<b>Reference Identification Qualifier</b> Code identifying the Reference Identification [22-04-01] Reference Identification Qualifier OC Ocean Container Number [22-04-01] Ocean Container Number	M ID 2/3
M	C04002	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [22-04-02] Reference Identification The government-owned container number value when it is known at the time of the booking/offer.	M AN 1/80
X	C04003	128	<b>Reference Identification Qualifier</b> Code identifying the Reference Identification Refer to 007020 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 1/80

<b>X</b>	<b>C04005</b>	<b>128</b>	<b>Reference Identification Qualifier</b> Code identifying the Reference Identification Refer to 007020 Data Element Dictionary for acceptable code values.	<b>X</b>	<b>ID 2/3</b>
<b>X</b>	<b>C04006</b>	<b>127</b>	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	<b>X</b>	<b>AN 1/80</b>

**Segment:** **H1 Hazardous Material**  
**Position:** 0700  
**Loop:** H1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify information relative to hazardous material  
**Syntax Notes:** 1 If either H107 or H108 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment is required when the shipment contains hazardous material.  
 2 H107 is the lowest temperature for hazardous materials.  
**Notes:** [23] H1 SEGMENT - Hazardous Material Information  
 SEGMENT CONDITION: Use for hazardous shipments.

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	H101	62 <b>Hazardous Material Code</b>	M 1 AN 4/10
		Code relating to hazardous material code qualifier for regulated hazardous materials	
		[23-01] Hazardous Material Code	
		Use the prefix 'NA' (North American) or 'UN' (United Nations Dangerous Goods) in conjunction with the appropriate hazardous material codes.	
		SOURCE: Hazardous Material Code (49 Level) available from STCC/Hazardous Materials Shipping Description Railinc/Association of American Railroads; Tariff 6D - Official Regulations on Restricted Articles available from Airline Tariff Publishing Co.; Code of Federal Regulations CFR Title 46 available from Superintendent of Documents U.S. Government Printing Office; Dangerous Goods Code available from Intergovernmental Maritime Consultative Organization (IMCO); IATA Restricted Articles Regulations available from International Air Transport Association; Code of Federal Regulations, Transportation. Title 49, parts 100 to 177, pages 75-170 available from Superintendent of Documents U.S. Government Printing Office; ""Transportation of Dangerous Goods"", Recommendations of the Committee of Experts of the Transport of Dangerous Goods available from United Nations Publications Polaris des Nations	
>>	H102	209 <b>Hazardous Material Class Code</b>	O 1 AN 1/4
		Code specifying the kind of hazard for a material	
		[23-02] Hazardous Material Class Code	
		Use the IMDG number found in Source Code 52.	
>>	H103	208 <b>Hazardous Material Code Qualifier</b>	O 1 ID 1/1
		Code identifying the source of the Hazardous Material Class Code (209)	
		[23-03] Hazardous Material Code Qualifier	
		I Intergovernmental Maritime Organization (IMO) Code	
		[23-03] Intergovernmental Maritime Organization (IMO) Code	
>>	H104	64 <b>Hazardous Material Description</b>	O 1 AN 2/30
		Material name, special instructions, and phone number if any	
		[23-04] Hazardous Material Description	
		Free form text proper name of the hazardous material. If more than 30 characters are needed use data element H202.	
		SOURCE: Hazardous Material Code (49 Level) available from STCC/Hazardous Materials Shipping Description Railinc/Association of American Railroads; Tariff 6D - Official Regulations on Restricted Articles available from Airline Tariff Publishing Co.; Code of Federal Regulations CFR Title 46 available from Superintendent of Documents U.S. Government Printing Office; Dangerous Goods Code available from Intergovernmental Maritime Consultative Organization (IMCO); IATA Restricted Articles Regulations available from International Air Transport Association; Code of	

Federal Regulations, Transportation. Title 49, parts 100 to 177, pages 75-170 available from Superintendent of Documents U.S. Government Printing Office; ""Transportation of Dangerous Goods"", Recommendations of the Committee of Experts of the Transport of Dangerous Goods available from United Nations Publications Polaris des Nations

>>	<b>H105</b>	<b>63</b>	<b>Hazardous Material Contact</b>	<b>O</b>	<b>1</b>	<b>AN 1/24</b>
			Phone number and name of person or department to contact in case of emergency			
			[23-05] Hazardous Material Contact			
			The first ten (10) spaces will be the phone number. Do not use hyphens or spaces in the telephone number. Do not precede 10 digit with a 1- (one dash). The shipper must select one of the five numbers below if they are shipping hazardous material:			
			7036970218 - Army Operations Center Emergency Action Console, Pentagon; 8008518061 - DoD Hazardous Materials Hotline, Richmond, VA; 8042793131 - Defense Supply Center Fire Dept, Richmond, VA; 8004248802 - National Response Center (NRC); 7036970219 - Army Operations Ctr Emergency Action Console, Pentagon.			
>>	<b>H106</b>	<b>200</b>	<b>Hazardous Materials Page</b>	<b>O</b>	<b>1</b>	<b>AN 1/6</b>
			The United Nations page number as required for the international transport of hazardous materials			
			[23-06] Hazardous Materials Page			
			SOURCE: International Maritime Dangerous Goods Code available from Intergovernment Maritime Consultants Organization (IMCO)			
	<b>H107</b>	<b>77</b>	<b>Flashpoint Temperature</b>	<b>X</b>	<b>1</b>	<b>N0 1/3</b>
			The flashpoint temperature for hazardous material			
			[23-07] Flashpoint Temperature			
	<b>H108</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>X</b>	<b>1</b>	<b>ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			[23-08] Unit or Basis for Measurement Code			
			ELEMENT CONDITION: If available, data must be sent			
			CE Centigrade, Celsius			
			[23-08] Centigrade, Celsius			
			Use 'CE' to denote Centigrade			
			FA Fahrenheit			
			[23-08] Fahrenheit			
	<b>H109</b>	<b>254</b>	<b>Packing Group Code</b>	<b>O</b>	<b>1</b>	<b>ID 1/3</b>
			Code indicating degree of danger in terms of Roman number I, II or III			
			[23-09] Packing Group Code			
			ELEMENT CONDITION: When applicable, the Packaging Group Code as defined in The Canadian Gazette, Part II must be passed to comply with Canadian Transportation of Dangerous Goods (TDG) Regulations."			
			SOURCE: The Canadian Gazette, Part II available from Canadian Government Publishing Centre Supply and Services Canada			

**Segment:** **H2 Additional Hazardous Material Description**  
**Position:** 0800  
**Loop:** H1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify free-form hazardous material descriptive data in addition to the information provided in the H1 segment

**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

[24] H2 SEGMENT - Hazardous Material Description  
 SEGMENT CONDITION: This segment can be used for placard label information to be placed on the outside of the container.

**Data Element Summary**

Ref.	Data Element	Name	Attributes
M	H201	<b>Hazardous Material Description</b> Material name, special instructions, and phone number if any	M 1 AN 2/30
		[24-01] Hazardous Material Description For Net Explosive Weight enter value 'NEW' in the first three (3) characters, followed by Net Explosive Weight in pounds, up to 6 numeric characters, without decimal point.  If using the H2 segment because the data in H104 needs additional space and there is NO Net Explosive Weight, enter value 'ZZ' in H201 to satisfy X12 syntax and to indicate that H202 contains an extension of H104. SOURCE: Hazardous Material Code (49 Level) available from STCC/Hazardous Materials Shipping Description Railinc/Association of American Railroads; Tariff 6D - Official Regulations on Restricted Articles available from Airline Tariff Publishing Co.; Code of Federal Regulations CFR Title 46 available from Superintendent of Documents U.S. Government Printing Office; Dangerous Goods Code available from Intergovernmental Maritime Consultative Organization (IMCO); IATA Restricted Articles Regulations available from International Air Transport Association; Code of Federal Regulations, Transportation. Title 49, parts 100 to 177, pages 75-170 available from Superintendent of Documents U.S. Government Printing Office; ""Transportation of Dangerous Goods"", Recommendations of the Committee of Experts of the Transport of Dangerous Goods available from United Nations Publications Polaris des Nations	
	H202	<b>Hazardous Material Classification</b> Free-form description of hazardous material classification or division or label requirements	O 1 AN 1/30
		[24-02] Hazardous Material Classification ELEMENT CONDITION: Information in this element is a continuation from H104.	

**Segment:** **V1** Vessel Identification  
**Position:** 0900  
**Loop:**  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**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:** [25] V1 SEGMENT - Vessel Identification

#### Data Element Summary

Ref.	Data Element	Name	Attributes
>>	V101	597 Vessel Code Code identifying vessel [25-01] Vessel Code Enter the Vessel Radio Call Sign. If it doesn't have one, enter the Lloyd's number. SOURCE: Lloyd's Register of Shipping	X 1 ID 1/8
>>	V102	182 Vessel Name Name of ship as documented in "Lloyd's Register of Ships" [25-02] Vessel Name SOURCE: Lloyd's Register of Shipping	X 1 AN 2/28
>>	V103	26 Country Code Code identifying the country [25-03] 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.	O 1 ID 2/3
>>	V104	55 Flight/Voyage Number Identifying designator for the particular flight or voyage on which the cargo travels [25-04] Commercial Voyage Number Enter the commercial voyage number.	O 1 AN 2/30
X	V105	140 Standard Carrier Alpha Code Code identifying the Standard Carrier Alpha Code	O 1 ID 2/4
X	V106	249 Vessel Requirement Code Code specifying options for satisfying vessel requirements Refer to 007020 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
X	V107	854 Vessel Type Code Code identifying type of vessel Refer to 007020 Data Element Dictionary for acceptable code values.	O 1 ID 2/2

<b>V108</b>	<b>897</b>	<b>Vessel Code Qualifier</b>	<b>O</b>	<b>1 ID 1/1</b>
		Code specifying vessel code source		
		[25-08] Vessel Code Qualifier		
		C Ship's Radio Call Signal		
		[25-08] Ship's Radio Call Signal		
		L Lloyd's Register of Shipping		
		[25-08] Lloyd's Register of Shipping		
		Z Mutually Defined		
		[25-08] Mutually Defined		
		Use 'Z' to denote Barges or Other Vessels Not Identified by Lloyds		

<b>X</b>	<b>V109</b>	<b>91</b>	<b>Transportation Method/Type Code</b>	<b>O</b>	<b>1 ID 1/2</b>
			Code specifying the method or type of transportation for the shipment		
			Refer to 007020 Data Element Dictionary for acceptable code values.		

**Segment:** **V9** Event Detail  
**Position:** 1000  
**Loop:**  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify information about a specific event  
**Syntax Notes:**

- 1 If V906 is present, then V905 is required.
- 2 If either V910 or V911 is present, then the other is required.
- 3 If V913 is present, then V904 is required.
- 4 If V915 is present, then V909 is required.

**Semantic Notes:**

- 1 V903 is the event date.
- 2 V904 is the event time.
- 3 V909 is the Standard Point Location Code (SPLC) of the event shown in the V901.
- 4 V910 is the length of the time delay expressed in hours.
- 5 V913 reflects the time zone which the event time reflects.
- 6 V914 is the quantity of the fuel in gallons.
- 7 V915 is the Standard Point Location Code (SPLC) of the secondary point of the delay indicated in the V911.
- 8 V916 is the total number of rail cars associated with the event code in V901.
- 9 V917 is the total number of loaded cars associated with the event code in V901.
- 10 V918 is the total number of empty cars associated with the event code in V901.
- 11 V919 is the total Gross Tons of the cars identified in V916. Includes the gross weight of the loads and the tare weight of the empties.
- 12 V920 is the total outside foot length of the cars identified in V916, rounded off to the nearest foot.

**Comments:**

**Notes:** [26] V9 SEGMENT - Spot Date  
SEGMENT CONDITION: Use when Spot Date applies.  
[27] V9 SEGMENT - Mileage  
SEGMENT CONDITION: Use when CONUS (Continental United States) or OCONUS (Outside Continental United States) Mileage applies.

**Data Element Summary**

Ref.	Data Element	Name	Attributes
M	V901	304 Event Code	M 1 ID 3/3
		Code identifying the event about which a report is made	
		[26-01] Event Code	
		[27-01] DTOD Qualifier	
		SPT Spot Date	
		[26-01] Spot Date	
		ZZZ Mutually Defined	
		[27-01] Mutually Defined	
		Use 'ZZZ' to denote Defense Table of Official Distances (DTOD)	
>>	V902	106 Event	O 1 AN 1/25
		Free-form description of event	
		[27-02] Mileage Qualifier	
		Enter value 'SD' to denote CONUS Mileage or '1B' to denote Mileage.	OCONUS
>>	V903	373 Date	O 1 DT 8/8
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	
		[26-03] Date	
		Enter the spot date.	

X	V904	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	1	TM 4/8
X	V905	19	<b>City Name</b> Free-form text for city name	X	1	AN 2/30
X	V906	156	<b>State or Province Code</b> Code specifying the Standard State/Province as defined by appropriate government agency	O	1	ID 2/2
X	V907	26	<b>Country Code</b> Code identifying the country	O	1	ID 2/3
X	V908	641	<b>Status Reason Code</b> Code indicating the status reason Refer to 007020 Data Element Dictionary for acceptable code values.	O	1	ID 3/3
X	V909	154	<b>Standard Point Location Code</b> Code specifying the Standard Point Location code defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	X	1	ID 6/9
X	V910	380	<b>Quantity</b> Numeric value of quantity	X	1	R 1/15
X	V911	1274	<b>Train Delay Reason Code</b> Code specifying reason for train delay	X	1	AN 2/3
>>	V912	61	<b>Free-form Information</b> Free-form information [26-12] Free-form Information Enter the number of containers to be spotted. [27-12] Mileage Enter appropriate mileage.	O	1	AN 1/30
X	V913	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 007020 Data Element Dictionary for acceptable code values.	O	1	ID 2/2
X	V914	380	<b>Quantity</b> Numeric value of quantity	O	1	R 1/15
X	V915	154	<b>Standard Point Location Code</b> Code specifying the Standard Point Location code defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	O	1	ID 6/9
X	V916	86	<b>Total Equipment</b> Total pieces of equipment	O	1	N0 1/3
X	V917	86	<b>Total Equipment</b> Total pieces of equipment	O	1	N0 1/3
X	V918	86	<b>Total Equipment</b> Total pieces of equipment	O	1	N0 1/3
X	V919	81	<b>Weight</b> Numeric value of weight	O	1	R 1/10
X	V920	82	<b>Length</b> Largest horizontal dimension of an object measured when the object is in the upright position	O	1	R 1/8

**Segment:** **K1** Remarks  
**Position:** 1100  
**Loop:**  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 20  
**Purpose:** To transmit information in a free-form format for comment or special instruction  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** [28] K1 SEGMENT - Message  
 SEGMENT CONDITION: Use to convey Free Form Text Message as required.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	K101	61	<b>Free-form Information</b> Free-form information [28-01] Free-form Information	M 1 AN 1/30
	K102	61	<b>Free-form Information</b> Free-form information [28-02] Free-form Information	O 1 AN 1/30

**Segment:** **SE** Transaction Set Trailer  
**Position:** 0100  
**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:** [29] SE SEGMENT - Reservation (Booking Request) (Ocean) Trailer

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>			
	<b>Des.</b>	<b>Element</b>	<b>Name</b>		<b>Attributes</b>
M	SE01	96	<b>Number of Included Segments</b>		<b>M 1 N0 1/10</b>
			Total number of segments included in a transaction set including ST and SE segments		
			[29-01] 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 1 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		
			[29-02] 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 Reservation (Booking Request) (Ocean) into the ASC X12 Transaction Set 300 Reservation (Booking Request) (Ocean). Transportation activities involved in the DoD electronic data interchange effort developed these requirements.

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

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION		
Index	DG	Data Name 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 - Reservation (Booking Request)(Ocean) Header</b>	M	1	100	M	1						
1-01		Transaction Set Identifier Code 300 - Reservation (Booking Request) (Ocean)	M ID 3/3	1	100	M	1				ST01	143	M ID 3/3
				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).									
1-02		Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set. The application and structure of the control number must be agreed upon between trading partners. (For example, 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	100	M	1				ST02	329	M AN 4/9
2		<b>B1 SEGMENT - Shipment Identification</b>	M	1	200	M	1						
2-01		Standard Carrier Alpha Code SOURCE: Directory of Standard Carrier Alpha Codes (SCAC), NMF 101 Series available from National Motor Freight Association, Inc.	M ID 2/4	1	200	M	1				B101	140	M ID 2/4
				B101 is the Standard Carrier Alpha Code (SCAC) of either the carrier receiving the booking request or the carrier sending the booking confirmation.									
2-02		Shipment Identification Number Enter in an eight (8) digit alpha numeric code. The first six (6) digits are the Port Call File Number (PCFN) and the last two (2) digits are the year.	M AN 8/8	1	200	M	1				B102	145	O AN 1/30
2-03		Reservation Action Date Enter Date applicable to the Reservation Action in the B104, Reservation actions include: New (Created), Change (Updated) or Reinstatement, expressed as CCYYMMDD	M DT 8/8	1	200	M	1				B103	373	O DT 8/8
				B103 is either the date of the booking request or the date the booking was accepted by the carrier.									

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	
2-04		Reservation Action Code  Use code 'B' (Reinstatement) to reinstate a booking. A Transaction Set (TS) 303 (Booking Cancellation) with Reservation Action Code (B104) of 'D' (Cancel) or 'R' (Delete) will precede a TS 300 with a Reservation Actions Code 'B'. Use code value 'U' (Change) AFTER an Ocean Carrier receives an initial TS 300 offering using a code value 'N' (New). Examples follow. Example 1: (Cargo Offering Increase). An initial offering was for ten (10) containers of cargo. The Ocean Carrier transmits a TS 301 (Confirmation) for all ten (10) containers. A Shipper then needs to increase the offering from ten (10) to fifteen (15) containers. The booking is updated, and IBS will transmit another TS 300 using the code value 'U'. The number of containers on the TS 300 will be the total number of containers, which is fifteen (15). The Ocean Carrier can then send back a TS 301, accepting the fifteen (15) or rejecting the additional five (5) containers, since they have already accepted the original ten (10). Example 2: (Cargo Offering Decrease). If an Ocean Carrier has accepted an initial TS 300 for ten (10) containers of cargo and the Shipper needs to decrease that offer by six (6) containers, IBS will be updated with the decrease. A TS 300 with a code value 'U', indicating that only four (4) containers are being offered, will be transmitted to the carrier. The Ocean Carrier can send a TS 301 to either accept only those four (4) containers or reject the booking.  B - Conditional Acceptance  <i>Use 'B' to denote Reinstatement.</i>  N - New  U - Change	M ID 1/1	1	200	M	1					B104	558	O ID 1/1
3		<b>G61 SEGMENT - Booking Contact Information</b> SEGMENT CONDITION: Use when Booking Contact Information applies	C	1	250	O	3							
													If either G6103 or G6104 is present, then the other is required.	
3-01		Contact Function Code IC - Information Contact  <i>Use 'IC' to denote Booking Contact.</i>	M ID 2/2	1	250	O	3				G6101	366	M ID 2/2	
3-02		Name Enter the Booking Officer's Name.	M AN 1/60	1	250	O	3				G6102	93	M AN 1/60	
3-03		Communication Number Qualifier EM - Electronic Mail  TE - Telephone	C ID 2/2	1	250	O	3				G6103	365	C ID 2/2	
													G6103 qualifies G6104.	
3-04		Communication Number Enter the Booking Officer's Telephone Number when G6103 = 'TE'. Enter the Booking Officer's Electronic Mail (e-mail) address when G6103 = 'EM'	C AN 1/160	1	250	O	3				G6104	364	C AN 1/2048	
4		<b>Y1 SEGMENT - Sailing Date</b>	M	1	500	M	1							
													If either Y102 or Y109 is present, then the other is required.	

DEPARTMENT OF DEFENSE  
TRANSPORTATION EDI CONVENTION

RESERVATION (BOOKING REQUEST) (OCEAN)  
300.A.007020

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		Sailing Date Estimated Enter the date the vessel is scheduled to depart, the vessel sailing date.	M	DT	8/8	1	500	M	1			Y101	135	O	DT 8/8
4-02		Available Date The date the cargo is available for pickup or receipt at load port.	M	DT	8/8	1	500	M	1			Y102	373	C	DT 8/8
					Y102 is the date the shipment for which space reservation is requested to be available at the origin.										
4-04		Transportation Method/Type Code ELEMENT CONDITION: Use for both Breakbulk and Containers.  BB - Breakbulk Ocean  O - Containerized Ocean	C	ID	1/2	1	500	M	1			Y104	91	O	ID 1/2
4-09		Date/Time Qualifier 169 - Product Availability Date  <i>Use '169' to denote Cargo Availability Date.</i>	M	ID	3/3	1	500	M	1			Y109	374	C	ID 3/3
5		<b>Y2 SEGMENT - Container Information</b> SEGMENT CONDITION: Mandatory if Containerized move. Do not use for BreakBulk.	C			1	600	O	1	10	1	Y2			
5-01		Number of Containers This segment is only to be used for Containers and should not be used if booking is for Breakbulk. Number of containers in the booking.	M	N0	1/4	1	600	O	1	10	1	Y2	Y201	95	M N0 1/4
5-02		Container Type Request Code ELEMENT CONDITION: Only used for CONTAINERIZED cargo.  C - Containers with Chassis  W - Chassis Only	C	ID	1/1	1	600	O	1	10	1	Y2	Y202	78	O ID 1/1
5-04		Equipment Type Enter the appropriate ISO Standard Codes. If no ISO code exists, then enter 'ZZZZ', as a place holder. The source for these codes is the Identification Marking Code For Freight Containers (ISO 6346-1995). It can be obtained from the American National Standards Institute.	M	ID	4/4	1	600	O	1	10	1	Y2	Y204	24	M ID 4/4
5-08		Container Terms Code In the Y208, DE464 at index [5-08] change the implementation note to read: "These are the conveyance service codes, TCN positions 15-17, as described in Code Source 350, Defense Transportation Regulation (DTR), 4500.9-R-Part II, Appendix L. This manual can be obtained from the United States Transportation Command web site at <a href="http://www.transcom.mil/dtr/index.cfm">http://www.transcom.mil/dtr/index.cfm</a> .	C	ID	3/3	1	600	O	1	10	1	Y2	Y208	464	O ID 3/3

DEPARTMENT OF DEFENSE  
TRANSPORTATION EDI CONVENTION

RESERVATION (BOOKING REQUEST) (OCEAN)  
300.A.007020

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		
5-09		Container Terms Code Qualifier I - Military Standard Transportation and Movement Procedures (MILSTAMP)	C	ID	1/1	1	600	O	1	10	1	Y2	Y209	465	O ID 1/1	
6		<b>W09 SEGMENT - Temperature Data</b> SEGMENT CONDITION: Use this segment only when H301 = 'RPD' (meaning that two temperature settings within a container are required) and L503 = 11X (Dual Temp (Chill/Freeze) Reefer Cargo). If specifying only one temperature setting, use the W09 segment at Table 1, Position 1500.	C			1	650	O	1	10	1	Y2				If either W0902 or W0903 is present, then the other is required. If either W0904 or W0905 is present, then the other is required.
6-01		Equipment Description Code DT - Drop Back Trailer  <i>Use 'DT' to denote Dual Temperature.</i>	M	ID	2/2	1	650	O	1	10	1	Y2	W0901	40	M ID 2/2	
6-02		Temperature Value representing the Chill temperature.	M	R	1/4	1	650	O	1	10	1	Y2	W0902	408	C R 1/4	W0902 is the minimum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0903).
6-03		Unit or Basis for Measurement Code FA - Fahrenheit	M	ID	2/2	1	650	O	1	10	1	Y2	W0903	355	C ID 2/2	
6-04		Temperature Value representing the Freeze temperature.	C	R	1/4	1	650	O	1	10	1	Y2	W0904	408	C R 1/4	W0904 is the maximum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0905).
6-05		Unit or Basis for Measurement Code FA - Fahrenheit	C	ID	2/2	1	650	O	1	10	1	Y2	W0905	355	C ID 2/2	
7		<b>N9 SEGMENT - Reference Identification</b>	C			1	690	O	100							At least one of N902 or N903 is required. If N906 is present, then N905 is required.

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
7-01		Reference Identification Qualifier 2E - Foreign Military Sales Case Number <i>Use '2E' to denote Foreign Military Sales Case.</i> 3X - Subcontract Number 91 - Cost Element <i>Use '91' to denote Total Cost.</i> CE - Class of Contract Code <i>Use 'CE' to denote Vessel Status.</i> CT - Contract Number <i>Use 'CT' to denote Contract Number for rating purposes (MILSTAMP)..</i> KL - Contract Reference <i>Use 'KL' to denote Contract Type for rating purposes (MILSTAMP).</i> P4 - Project Code QN - Stop Sequence Number <i>Use 'QN' to denote Total Number of Stop-Offs and Mini Stop-Offs.</i> TH - Transportation Account Code (TAC) TR - Government Transportation Request <i>Use 'TR' to denote Movement Type.</i> V3 - Voyage Number <i>Use 'V3' to denote DOD Voyage Document Number.</i>	M	ID	2/2	1	690	O	100				N901	128	M	ID	2/3
7-02		Reference Identification If N901=TR, then one of the following codes must be passed in the N902: DD, DP, PD, PP Otherwise, pass..... DD - Door to Door DP - Door to Port PD - Port to Door PP - Port to Port	M	AN	1/30	1	690	O	100			N902	127	C	AN	1/80	
7-03		Free-form Description	C	AN	1/45	1	690	O	100			N903	369	C	AN	1/45	
8		<b>N1 SEGMENT - Activity Identification</b>	M			1	800	M	1	99	1	N1					
					At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.												

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
8-01		Activity Identifier Code AE - Additional Delivery Address <i>Use 'AE' to denote Stop Off.</i> CI - Consignor <i>Use 'CI' to denote Requestor.</i> CN - Consignee SH - Shipper <i>Use 'SH' to denote Entity who has the cargo.</i> TC - Tool Source <i>Use 'TC' to denote Theater Consolidation Shipping Point (TCSB).</i>	M	ID	2/2	1	800	M	1	99	1	N1	N101	98	M	ID	2/3
8-02		Name When "AE" is used in the N101, enter the DODAAC for a Stop-Off	C	AN	1/60	1	800	M	1	99	1	N1	N102	93	C	AN	1/60
8-03		Location Code Qualifier ELEMENT CONDITION: Must appear if there will be no entry in N102 - Name 10 - Department of Defense Activity Address Code (DODAAC) 16 - ZIP Code 29 - Grid Location and Facility Code <i>Use '29' to denote Latitude/Longitude.</i> 33 - Commercial and Government Entity (CAGE) 37 - United Nations Vendor Code <i>Use '37' to denote UNLOC Code.</i> BE - Common Language Location Identification (CLLI) <i>Use 'BE' to denote Inland Location Code (ILC).</i> LC - Agency Location Code (U.S. Government) <i>Use 'LC' to denote Geoloc.</i> MA - Mail Stop <i>Use 'MA' to denote Mini Stop-off.</i>	C	ID	2/2	1	800	M	1	99	1	N1	N103	66	C	ID	1/2
8-04		Location Code Must appear if there will be no entry in N102 - (Name). Enter appropriate Location Code (e.g., DoDAAC, CAGE, GEOLoc, etc.). When MA is used in the N103, enter the DODAAC for the Mini-Stop Off	C	AN	2/80	1	800	M	1	99	1	N1	N104	67	C	AN	2/80
					This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.												

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9		<b>N3 SEGMENT - Address Information</b> SEGMENT CONDITION: Use this segment only when the entry in the N101 for this loop is "CN" or "SH". Use only for Shipper or consignee address. Use N3 segment to convey non-parsed (free-form text) address information. If parsed information is available, convey in N4 - Address Information segment.  If the address is longer than 55 characters, it will roll over into N302.	C		1	1000	O	2	99	1	N1				
9-01		Address Information	M	AN	1/55	1	1000	O	2	99	1	N1	N301	166	M AN 1/55
9-02		Address Information	C	AN	1/55	1	1000	O	2	99	1	N1	N302	166	O AN 1/55
10		<b>N4 SEGMENT - Geographic Location</b> SEGMENT CONDITION: Use this segment only when the entry in the N101 for this loop is 'CN' or 'SH'.	C		1	1100	O	1	99	1	N1				
10-01		City Name	M	AN	2/30	1	1100	O	1	99	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.
10-02		State or Province Code SOURCE: U.S. Postal Service or Canada Post or Bureau of Transportation Statistics	C	ID	2/2	1	1100	O	1	99	1	N1	N402	156	C ID 2/2
10-03		Postal Code SOURCE: National ZIP Code and Post Office Directory, Publication 65 The USPS Domestic Mail Manual available from U.S Postal Service; Universal Postal Union Website available from International Bureau of the Universal Postal Union <a href="http://www.upu.int/post_code/en/postcodes.html">http://www.upu.int/post_code/en/postcodes.html</a>	C	ID	3/15	1	1100	O	1	99	1	N1	N403	116	C ID 3/15
															N403 contains the postal code in an unstructured format. N408 contains the postal code in a structured format. When a postal code data field is used, the parties shall agree as to which data element (N403 or N408) shall be used in the transaction set.
10-04		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	1100	O	1	99	1	N1	N404	26	C ID 2/3
11		<b>G61 SEGMENT - Shipper POC Information</b> SEGMENT CONDITION: Use to convey POC as required.	C		1	1200	O	3	99	1	N1				
															If either G6103 or G6104 is present, then the other is required.

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
11-01		Contact Code DI - Delivery Instructions Contact <i>Use 'DI' to denote Consignee (use when N101 = CN).</i> OC - Order Contact RQ - Requestor <i>Use 'RQ' to denote Consignor.</i> SH - Shipper Contact <i>Use 'SH' to denote Shipper Contact (use when N101 = SH).</i>	M ID 2/2	1	1200	O	3	99	1	N1	G6101	366	M ID	2/2
11-02		Name Enter the POC name.	M AN 1/60	1	1200	O	3	99	1	N1	G6102	93	M AN	1/60
11-03		Communication Number Qualifier EM - Electronic Mail TE - Telephone	C ID 2/2	1	1200	O	3	99	1	N1	G6103	365	C ID	2/2
11-04		Communication Number Enter the telephone number when G6103 = 'TE'. Enter the electronic mail (e-mail) address when G6103 = 'EM'.	C AN 1/160	1	1200	O	3	99	1	N1	G6104	364	C AN	1/2048
12		<b>R4 SEGMENT - Port Information</b>	M	1	1300	M	1	20	1	R4				
12-01		Port or Terminal Function Code Always send code values 'J' and 'K'. J - Bill of Lading Port of Loading (Contractual) <i>Use 'J' to denote Place at which cargo is loaded on board the means of transport.</i> K - Bill of Lading Port of Discharge (Contractual) <i>Use 'K' to denote Place at which cargo is discharged from means of transport.</i>	M ID 1/1	1	1300	M	1	20	1	R4	R401	115	M ID	1/1



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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
14-03		Unit or Basis for Measurement Code FA - Fahrenheit	M	ID	2/2	1	1500	O	1			W0903	355	C	ID 2/2
14-06		Temperature Variance Enter the Variance (Temperature Range) based on the Required Set Temperature preceded by a plus (+) or minus (-) sign. Example +2_-2	C	AN	2/10	1	1500	O	1			W0906	3	O	AN 1/60
15		<b>H3 SEGMENT - Special Handling Exceptions</b> SEGMENT CONDITION: Only use this segment when Special Handling cost is equal to "0" (zero) or a code does not exist. Use H301 or H302 as applicable but not both.	C			1	1600	O	20						Only one of H301 or H302 may be present.
15-01		Special Handling Code ELEMENT CONDITION: Only use when cost is equal to "0" (zero). Do not use if H302 is being used. See Section 6 for list of data values.	C	ID	2/3	1	1600	O	20			H301	152	C	ID 2/3
15-02		Special Handling Description Free-form description of special handling instructions if no accessorial code is available ELEMENT CONDITION: Only use when a code does not exist. Do not use if H301 is being used.	C	AN	2/30	1	1600	O	20			H302	153	C	AN 2/30
16		<b>LX SEGMENT - Breakbulk/Container Information Loop</b> One, and only one, TCN is permitted per LX loop. When booking breakbulk/containerized cargo the LX loop will be repeated for each Transportation Control Number (TCN).	M			2	100	M	1	999	1	LX			
16-01		Assigned Number Assigned Number: When booking breakbulk/containerized cargo, assign numbers sequentially, i.e., 1,2,3,4, . . . , 999. Start with "1" and increment by one for each occurrence of the LX loop; limited to one TCN per LX loop.	M	NO	1/6	2	100	M	1	999	1	LX	LX01	554	M NO 1/6
17		<b>N7 SEGMENT - Equipment Description</b> SEGMENT CONDITION: Only used for CONTAINERIZED CARGO. Do NOT use for breakbulk cargo.	C			2	200	O	1	999	1	LX			If either N703 or N704 is present, then the other is required. If either N705 or N716 is present, then the other is required. If either N708 or N709 is present, then the other is required.
17-01		Equipment Initial SOURCE: Directory of Standard Carrier Alpha Codes (SCAC), NMF 101 Series available from National Motor Freight Traffic Association, Inc; Railroad Mark Register available from Director, Industry Reference Files Railinc/Association of American Railroads	C	AN	1/4	2	200	O	1	999	1	LX	N701	206	O AN 1/4
17-02		Equipment Number Because this data element is mandatory and the container number is not normally known at the time of booking, use zero (0).	M	AN	1/7	2	200	O	1	999	1	LX	N702	207	M AN 1/15

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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			
17-11		Equipment Description Code See Section 6 for list of data values.	M	ID	2/2	2	200	O	1	999	1	LX	N711	40	O	ID	2/2
17-15		Equipment Length Equipment length. 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) - 2000 its a 20FT-Dry	M	N0	4/5	2	200	O	1	999	1	LX	N715	567	O	N0	4/5
17-20		Height Vertical dimension of an object measured when the object is in the upright position. Expressed in inches.	C	R	1/8	2	200	O	1	999	1	LX	N720	65	O	R	1/8
18		<b>L0 SEGMENT - Weight/Volume/Pieces/Lading Quantity</b>	M			2	400	O	1	999	1	LX					
18-01		Lading Line Item Number Sequential line number for a lading item. Should match the value from the LX01.	M	N0	1/6	2	400	O	1	999	1	LX	L001	213	O	N0	1/6
18-04		Weight	M	R	1/10	2	400	O	1	999	1	LX	L004	81	C	R	1/10
18-05		Weight Qualifier E - Estimated Net Weight	M	ID	1/1	2	400	O	1	999	1	LX	L005	187	C	ID	1/2
18-06		Volume	C	R	1/8	2	400	O	1	999	1	LX	L006	183	C	R	1/8
18-07		Volume Unit Qualifier E - Cubic Feet	C	ID	1/1	2	400	O	1	999	1	LX	L007	184	C	ID	1/1
18-08		Lading Quantity This is the number of Breakbulk pieces. For Containers, enter "1" (one); provide the actual value of the container content in the 315 as specified in the Shipping Instructions	C	N0	1/7	2	400	O	1	999	1	LX	L008	80	C	N0	1/7
18-09		Packaging Form Code This Data Element is the qualifier for L008.  PCS - Pieces	C	ID	3/3	2	400	O	1	999	1	LX	L009	211	C	ID	3/3

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
18-11		Weight Unit Code K - Kilograms L - Pounds	C ID 1/1	2	400	O	1	999	1	LX	L011	188	O	ID 1/1
19		<b>L5 SEGMENT - Commodity Description</b>	M	2	500	O	1	999	1	LX				
19-01		Lading Line Item Number Sequential line number for a lading item. Should match the value from the LX01 and L001.	M NO 1/6	2	500	O	1	999	1	LX	L501	213	O	NO 1/6
19-02		Lading Description This is a free form text describing the commodity code.	C AN 1/50	2	500	O	1	999	1	LX	L502	79	O	AN 1/50
19-03		Commodity Code Enter the Commodity Code as found in the USTRANSCOM Reference Data Management (TRDM) mirrored at <a href="http://www.transcom.mil/cmd/associated/dteb/files/refdata/V_WT_COM.htm">http://www.transcom.mil/cmd/associated/dteb/files/refdata/V_WT_COM.htm</a> .	M AN 1/30	2	500	O	1	999	1	LX	L503	22	C	AN 1/30
19-04		Commodity Code Qualifier I - Milstamp AITC or Water Commodity Code	M ID 1/1	2	500	O	1	999	1	LX	L504	23	C	ID 1/2
19-05		Packaging Code The only allowable code values used with containerized bookings are 'CNT', 'SV2', 'ML2', and 'MS2'. Use all other code values with breakbulk.  See Section 6 for list of data values.	C AN 3/5	2	500	O	1	999	1	LX	L505	103	O	AN 3/5
20		<b>L4 SEGMENT - Measurements</b> SEGMENT CONDITION: Only use for Breakbulk cargo.	C	2	600	O	1	999	1	LX				
20-01		Length Expressed in inches	M R 1/8	2	600	O	1	999	1	LX	L401	82	M	R 1/8
20-02		Width Expressed in inches	M R 1/8	2	600	O	1	999	1	LX	L402	189	M	R 1/8
20-03		Height Expressed in inches	M R 1/8	2	600	O	1	999	1	LX	L403	65	M	R 1/8

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20-04		Measurement Unit Qualifier N - Inches	M	ID	1/1	2	600	O	1	999	1	LX	L404	90	M ID 1/1
20-06		Outsized Code Use 'O' to denote Outsized  O - Outsized	C	AN	1/1	2	600	O	1	999	1	LX	L406	1271	O AN 1/30  L406 is the Rounding in Pattern for dimensional shipments.
21		<b>L1 SEGMENT - Rate and Charges</b>  SEGMENT CONDITION: There will be 1 (one) L1 for every charge that is greater or less than 0 (zero). If the charge equals 0 (zero), the L1 will not be used.  Only one of L108 or L112 may be present.	C			2	650	O	20	999	1	LX			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.
21-01		Lading Line Item Number Assign counter sequentially (beginning with 01) i.e. 01, 02, ... 20	M	N0	1/2	2	650	O	20	999	1	LX	L101	213	O N0 1/6
21-02		Contract Line Item Number (CLIN) This is the CLIN that is associated with the charge.	C	R	1/9	2	650	O	20	999	1	LX	L102	60	C R 1/15
21-03		CLIN Qualifier DD - Department of Defense Unique Codes	C	ID	2/2	2	650	O	20	999	1	LX	L103	122	C ID 2/2
21-04		Charge	M	N2	1/12	2	650	O	20	999	1	LX	L104	58	C N2 1/15
21-08		Special Charge or Allowance Code Use for "services" other than accessorial codes; report accessorial codes in Ref L112. If this data element is passed then L112 is NULL. Examples of reportable codes are COF (Ocean Freight), POE-POD, LTE (Line Haul to POE - Origin to POE Cost), LFD (POD to Destination Cost - Linehaul From POD).	C	ID	3/3	2	650	O	20	999	1	LX	L108	150	O ID 3/3
21-12		Special Charge Description Use accessorial codes as designated by SDDC.	C	AN	2/25	2	650	O	20	999	1	LX	L112	276	O AN 2/25
21-17		Care Rate	C	R	1/11	2	650	O	20	999	1	LX	L117	220	C R 1/11
21-18		Care Rate Code OR - Other  Use 'OR' to denote Care Rate.	C	ID	2/2	2	650	O	20	999	1	LX	L118	221	C ID 2/2

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22		<b>REF SEGMENT - Reference Information</b> New segment to bring the TCN data from the N9 at the header level to the Detail level to relate to charges and accessorial codes. One REF segment per LX to pass the TCN data.	C	2	670	O	1	999	1	LX				
22-01		Reference Identification Qualifier Code specifying the Reference Identification.  TG - Transportation Control Number (TCN)	M ID 2/3	2	670	O	1	999	1	LX	REF01	128	M	ID 2/3
22-02		Reference Identification Value that represents the Transportation Control Number to which the data provided in the LX loop applies.	M AN 17/17	2	670	O	1	999	1	LX	REF02	127	C	AN 1/80
22-03		Description The value that represents the Transportation Tracking Number (TTN).  ELEMENT CONDITION: Mandatory if TTN is available	C AN 17/17	2	670	O	1	999	1	LX	REF03	352	C	AN 1/80
22-04		C040 Reference Identifier	C CE	2	670	O	1	999	1	LX	REF04	C040	O	CE
														If either C04003 or C04004 is present, then the other is required. If either C04005 or C04006 is present, then the other is required.
22-04-01		Reference Identification Qualifier OC - Ocean Container Number	C ID 2/3	2	670	O	1	999	1	LX	C04001	128	M	ID 2/3
22-04-02		Reference Identification The government-owned container number value when it is known at the time of the booking/offer.	C AN 10/11	2	670	O	1	999	1	LX	C04002	127	M	AN 1/80
23		<b>H1 SEGMENT - Hazardous Material Information</b> SEGMENT CONDITION: Use for hazardous shipments.	C	2	700	O	1	10	2	H1				
														If either H107 or H108 is present, then the other is required.  This segment is required when the shipment contains hazardous material.
23-01		Hazardous Material Code Use the prefix 'NA' (North American) or 'UN' (United Nations Dangerous Goods) in conjunction with the appropriate hazardous material codes.  SOURCE: Hazardous Material Code (49 Level) available from STCC/Hazardous Materials Shipping Description Railinc/Association of American Railroads; Tariff 6D - Official Regulations on Restricted Articles available from Airline Tariff Publishing Co.; Code of Federal Regulations CFR Title 46 available from Superintendent of Documents U.S. Government Printing Office; Dangerous Goods Code available from Intergovernmental Maritime Consultative Organization (IMCO); IATA Restricted Articles Regulations available from International Air Transport Association; Code of Federal Regulations, Transportation. Title 49, parts 100 to 177, pages 75-170 available from Superintendent of Documents U.S. Government Printing Office; ""Transportation of Dangerous Goods"", Recommendations of the Committee of Experts of the Transport of Dangerous Goods available from United Nations Publications Polaris des Nations	M AN 4/10	2	700	O	1	10	2	H1	H101	62	M	AN 4/10

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23-02		Hazardous Material Class Code Use the IMDG number found in Source Code 52.	M	AN	1/4	2	700	O	1	10	2	H1	H102	209	O	AN	1/4
23-03		Hazardous Material Code Qualifier I - Intergovernmental Maritime Organization (IMO) Code	M	ID	1/1	2	700	O	1	10	2	H1	H103	208	O	ID	1/1
23-04		Hazardous Material Description Free form text proper name of the hazardous material. If more than 30 characters are needed use data element H202.  SOURCE: Hazardous Material Code (49 Level) available from STCC/Hazardous Materials Shipping Description Railinc/Association of American Railroads; Tariff 6D - Official Regulations on Restricted Articles available from Airline Tariff Publishing Co.; Code of Federal Regulations CFR Title 46 available from Superintendent of Documents U.S. Government Printing Office; Dangerous Goods Code available from Intergovernmental Maritime Consultative Organization (IMCO); IATA Restricted Articles Regulations available from International Air Transport Association; Code of Federal Regulations, Transportation, Title 49, parts 100 to 177, pages 75-170 available from Superintendent of Documents U.S. Government Printing Office; ""Transportation of Dangerous Goods"", Recommendations of the Committee of Experts of the Transport of Dangerous Goods available from United Nations Publications Polaris des Nations	M	AN	2/30	2	700	O	1	10	2	H1	H104	64	O	AN	2/30
23-05		Hazardous Material Contact The first ten (10) spaces will be the phone number. Do not use hyphens or spaces in the telephone number. Do not precede 10 digit with a 1- (one dash). The shipper must select one of the five numbers below if they are shipping hazardous material:  7036970218 - Army Operations Center Emergency Action Console, Pentagon; 8008518061 - DoD Hazardous Materials Hotline, Richmond, VA; 8042793131 - Defense Supply Center Fire Dept, Richmond, VA; 8004248802 - National Response Center (NRC); 7036970219 - Army Operations Ctr Emergency Action Console, Pentagon.	M	AN	1/24	2	700	O	1	10	2	H1	H105	63	O	AN	1/24
23-06		Hazardous Materials Page SOURCE: International Maritime Dangerous Goods Code available from Intergovernment Maritime Consultants Organization (IMCO)	M	AN	1/6	2	700	O	1	10	2	H1	H106	200	O	AN	1/6
23-07		Flashpoint Temperature	C	N0	1/3	2	700	O	1	10	2	H1	H107	77	C	N0	1/3
																	H107 is the lowest temperature for hazardous materials.
23-08		Unit or Basis for Measurement Code ELEMENT CONDITION: If available, data must be sent  CE - Centigrade, Celsius <i>Use 'CE' to denote Centigrade.</i>  FA - Fahrenheit	C	ID	2/2	2	700	O	1	10	2	H1	H108	355	C	ID	2/2

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300.A.007020

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	
23-09		Packing Group Code ELEMENT CONDITION: When applicable, the Packaging Group Code as defined in The Canadian Gazette, Part II must be passed to comply with Canadian Transportation of Dangerous Goods (TDG) Regulations."  SOURCE: The Canadian Gazette, Part II available from Canadian Government Publishing Centre Supply and Services Canada	C ID 1/3	2	700	O	1	10	2	H1	H109	254	O	ID 1/3
24		<b>H2 SEGMENT - Hazardous Material Description</b> SEGMENT CONDITION: This segment can be used for placard label information to be placed on the outside of the container.	C	2	800	O	10	10	2	H1				
24-01		Hazardous Material Description For Net Explosive Weight enter value 'NEW' in the first three (3) characters, followed by Net Explosive Weight in pounds, up to 6 numeric characters, without decimal point.  If using the H2 segment because the data in H104 needs additional space and there is NO Net Explosive Weight, enter value 'ZZ' in H201 to satisfy X12 syntax and to indicate that H202 contains an extension of H104.  SOURCE: Hazardous Material Code (49 Level) available from STCC/Hazardous Materials Shipping Description Railinc/Association of American Railroads; Tariff 6D - Official Regulations on Restricted Articles available from Airline Tariff Publishing Co.; Code of Federal Regulations CFR Title 46 available from Superintendent of Documents U.S. Government Printing Office; Dangerous Goods Code available from Intergovernmental Maritime Consultative Organization (IMCO); IATA Restricted Articles Regulations available from International Air Transport Association; Code of Federal Regulations, Transportation. Title 49, parts 100 to 177, pages 75-170 available from Superintendent of Documents U.S. Government Printing Office; ""Transportation of Dangerous Goods"", Recommendations of the Committee of Experts of the Transport of Dangerous Goods available from United Nations Publications Polaris des Nations	M AN 2/9	2	800	O	10	10	2	H1	H201	64	M	AN 2/30
24-02		Hazardous Material Classification ELEMENT CONDITION: Information in this element is a continuation from H104.	C AN 1/30	2	800	O	10	10	2	H1	H202	274	O	AN 1/30
25		<b>V1 SEGMENT - Vessel Identification</b>	M	2	900	O	2							
														At least one of V101 or V102 is required. If V108 is present, then V101 is required.
25-01		Vessel Code Enter the Vessel Radio Call Sign. If it doesn't have one, enter the Lloyd's number.  SOURCE: Lloyd's Register of Shipping	M ID 1/8	2	900	O	2				V101	597	C	ID 1/8
25-02		Vessel Name SOURCE: Lloyd's Register of Shipping	M AN 2/28	2	900	O	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	
25-03		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	2	900	O	2				V103	26	O ID	2/3
				V103 is the code identifying the country in which the ship (vessel) is registered.										
25-04		Commercial Voyage Number Enter the commercial voyage number.	M AN 2/10	2	900	O	2				V104	55	O AN	2/30
25-08		Vessel Code Qualifier C - Ship's Radio Call Signal  L - Lloyd's Register of Shipping  Z - Mutually Defined  <i>Use 'Z' to denote Barges or Other Vessels Not Identified by Lloyds.</i>	C ID 1/1	2	900	O	2				V108	897	O ID	1/1
26		<b>V9 SEGMENT - Spot Date</b> SEGMENT CONDITION: Use when Spot Date applies.	C	2	1000	O	10							
				If V906 is present, then V905 is required. If either V910 or V911 is present, then the other is required. If V913 is present, then V904 is required. If V915 is present, then V909 is required.										
26-01		Event Code SPT - Spot Date	M ID 3/3	2	1000	O	10				V901	304	M ID	3/3
26-03		Date Enter the spot date.	M DT 8/8	2	1000	O	10				V903	373	O DT	8/8
				V903 is the event date.										
26-12		Free-form Information Enter the number of containers to be spotted.	C AN 1/30	2	1000	O	10				V912	61	O AN	1/30
27		<b>V9 SEGMENT - Mileage</b> SEGMENT CONDITION: Use when CONUS (Continental United States) or OCONUS (Outside Continental United States) Mileage applies.	C	2	1000	O	10							
				If V906 is present, then V905 is required. If either V910 or V911 is present, then the other is required. If V913 is present, then V904 is required. If V915 is present, then V909 is required.										
27-01		DTOD Qualifier ZZZ - Mutually Defined  <i>Use 'ZZZ' to denote Defense Table of Official Distances (DTOD).</i>	M ID 3/3	2	1000	O	10				V901	304	M ID	3/3
27-02		Mileage Qualifier Enter value 'SD' to denote CONUS Mileage or '1B' to denote OCONUS Mileage.	M AN 2/2	2	1000	O	10				V902	106	O AN	1/25

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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	
27-12		Mileage Enter appropriate mileage.	M	AN	1/30	2	1000	O	10			V912	61	O	AN 1/30
28		<b>K1 SEGMENT - Message</b> SEGMENT CONDITION: Use to convey Free Form Text Message as required.	C			2	1100	O	20						
28-01		Free-form Information	M	AN	1/30	2	1100	O	20			K101	61	M	AN 1/30
28-02		Free-form Information	C	AN	1/30	2	1100	O	20			K102	61	O	AN 1/30
29		<b>SE SEGMENT - Reservation (Booking Request) (Ocean) Trailer</b>	M			3	100	M	1						
															SE is the last segment of each transaction set.
29-01		Number of Included Segments Total segments in this transaction set including the ST and SE segments.	M	N0	1/10	3	100	M	1			SE01	96	M	N0 1/10
29-02		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	100	M	1			SE02	329	M	AN 4/9

## Section 6.0

### APPLICATION CODE LISTS

## 15-01 -- Special Handling Code

### Data Value - Definition

045 - Advanced Fee  
*\*\* Use '045' to denote Over Height - Continental Europe.*

075 - 75% Ocean Differential - 20 From 40

085 - 85% Inland Differential - 20 From 40

15 - Speed Restricted to 15 Miles per Hour  
*\*\* Use '15' to denote 100,000 lb Crane Service.*

170 - Certificate of Origin  
*\*\* Use '170' to denote Over Height - Iraq.*

25 - Speed Restricted to 25 Miles per Hour  
*\*\* Use '25' to denote 200,000 lb Crane Service.*

35 - Speed Restricted to 35 Miles per Hour  
*\*\* Use '35' to denote 300,000 lb Crane Service.*

510 - Offshore - Alaska/Hawaii Service  
*\*\* Use '510' to denote Over Height - Jordan.*

555 - Preparation of Canadian Customs Invoice  
*\*\* Use '555' to denote Agricultural Clearance.*

565 - Preparation of Export Entry  
*\*\* Use '565' to denote Over Height - Kuwait.*

A1M - Aggregate 1000  
*\*\* Use 'A1M' to denote Enhanced ITV - GEN II - Door.*

A3M - Aggregate 3000  
*\*\* Use 'A3M' to denote Enhanced ITV - GEN II - Port.*

A5M - Aggregate 5000  
*\*\* Use 'A5M' to denote Over Height Surcharge - United Arab Emirate.*

AFN - Air Craft Furnished and Not Used  
*\*\* Use 'AFN' to denote Aircraft Handling/Air Terminal Services.*

AGG - Aggregate Tender Discount  
*\*\* Use 'AGG' to denote Live Load.*

APD - Additional Copy of Shipping Papers for Proof of Delivery  
*\*\* Use 'APD' to denote Scanning is to describe the action of scanning the cargo as it relates to security procedures. This accessorial also has a price scheme associated with it. DEFINITION UPDATE DM 1212.*

APL - Appliance Servicing

ARG - Rail Armed Guard Service  
*\*\* Use 'ARG' to denote High Risk Waters Armed Security.*

ARR - Air Ride Tractor Service  
*\*\* Use 'ARR' to denote Port Arbitrary.*

AT - Attachment to Move with Car  
*\*\* Use 'AT' to denote Afghanistan Rail Accessorial.*

AV - Annual Volume  
*\*\* Use 'AV' to denote Tank Container.*

BA - Clearinghouse Balance  
*\*\* Use 'BA' to denote Outer Routing Torkham.*

BCP - Bypass Consolidation Point  
*\*\* Use 'BCP' to denote Import Border Clearance.*

BKA - Bulky Article  
*\*\* Use 'BKA' to denote Unusual Size Differential.*

BNS - Bolster Load, Do Not Switch  
*\*\* Use 'BNS' to denote 45 Foot Container Differential.*

BU2 - Bunker Adjustment - 20 Foot Container

BU4 - Bunker Adjustment - 40 Foot Container

BUA - Bunker Adjustment

BW - Bill Shipper for Weigh Charge  
*\*\* Use 'BW' to denote Live Unload.*

CA2 - Currency Adjustment - 20 Foot Container

CA4 - Currency Adjustment - 40 Foot Container

CCH - Certification  
*\*\* Use 'CCH' to denote Enhanced ITV - GEN I.*

CFC - Customs Fees - Container Level  
*\*\* Use 'CFC' to denote Cargo Clearance Import.*

CFL - Customs Fees - Lift Level

CGT - Cargo Taxes  
*\*\* Use 'CGT' to denote Tax Authority Clearance (TA).*

CH - Carrier  
*\*\* Use 'CH' to denote 48 Foot Container Differential.*

CLN - Cleaning  
*\*\* Use 'CLN' to denote Rinsing.*

CLS - Class Rates Applied  
*\*\* Use 'CLS' to denote 53 Foot Container Differential.*

COR - Certification That the Newsprint Winding Cores Being Returned Empty Were Received Filled by Rail Freight Service  
*\*\* Use 'COR' to denote Outer Routing - KUT.*

CPC - Copilot Service  
*\*\* Use 'CPC' to denote Expedited Origin Linehaul (up to 199 miles).*

CRL - Container Lease

CTL - Controlled Atmosphere

CTM - Container Mounting  
*\*\* Use 'CTM' to denote Outer Routing - KKT.*

CTR - Circuitous Routing  
*\*\* Use 'CTR' to denote Outer Routing - Chaman.*

## 15-01 -- Special Handling Code (CONT)

Data Value - Definition
CUF - Currency Adjustment - Break Bulk <i>** Use 'CUF' to denote Currency Adjustment.</i>
DA - Dangerous
DDZ - Drayage at Port of Debarkation (Rate Zone)
DEZ - Drayage at Port of Embarkation (Rate Zone)
DFD - Keep From Freezing Percent Differential
DLP - Delivery of Fuel From Rail Tank Car to Pipeline <i>** Use 'DLP' to denote Fuel Adjustment Factor (FAF).</i>
DLR - Notify Shipper Immediately if Shipment is Delayed en Route <i>** Use 'DLR' to denote Daily In-Transit Visibility Origin.</i>
DM - Domestic <i>** Use 'DM' to denote Refrigerated Container Maintenance (With Power).</i>
DNC - Do Not Couple to Other Diaphragmed Cars <i>** Use 'DNC' to denote Daily In-transit Visibility Destination.</i>
DOV - Container Diversion
DPD - Drayage at Port of Debarkation
DPE - Drayage at Port of Embarkation
DR - Drop Yard <i>** Use 'DR' to denote Drop and Pick Up.</i>
DRU - Drumming Service <i>** Use 'DRU' to denote Tarping at Origin.</i>
DSR - Dromedary Service Requested <i>** Use 'DSR' to denote Flatrack Tie-Down.</i>
DV - Equipment <i>** Use 'DV' to denote Nuclear Liability Insurance.</i>
ERT - Satisfactory Service Standards <i>** Use 'ERT' to denote Refrigerated Container Maintenance (Without Power).</i>
EXD - Extra Driver
EXL - Extra Length Surcharge <i>** Use 'EXL' to denote Container/Trailer Over-length Surcharge.</i>
EXQ - Expedited Service <i>** Use 'EXQ' to denote Expediate Delivery.</i>
EXU - Exclusive Use of Vehicle Damaged <i>** Use 'EXU' to denote Cargo Handling Import.</i>
EXZ - Expand Remove and Install <i>** Use 'EXZ' to denote Cargo Clearance Export.</i>
EZE - Roadway Easy Rates Applied <i>** Use 'EZE' to denote Enhanced Physical Security.</i>
FAK - Barge Freight All Kinds Service
FFC - Fuel Filters Furnished by Carrier <i>** Use 'FFC' to denote Security Convoy.</i>
FLS - Flatrack Surcharge
FR - Fragile - Handle with Care <i>** Use 'FR' to denote Customs &amp; Border Clearance Authority (CBCA) Handling Aqaba.</i>
GI - Grain Inspection <i>** Use 'GI' to denote Expedited Linehaul to POE.</i>
GMS - Garment Surcharge
GSS - Greater Security Service
HAN - Handling
HE - Head End Car <i>** Use 'HE' to denote Hazardous Surcharge Destination.</i>
HMA - Accessible Hazardous Material <i>** Use 'HMA' to denote Railcar Inspection.</i>
HO - Hold for Orders <i>** Use 'HO' to denote Hazardous Surcharge Origin.</i>
HZC - Hazardous Materials Surcharge <i>** Use 'HZC' to denote Ammunition Line Haul Service.</i>
HZD - Hazardous Cargo On Deck
IHH - Icing Inhibitor Service <i>** Use 'IHH' to denote Side-load Chassis.</i>
JLX - Joint Line Exception <i>** Use 'JLX' to denote ACR 40FT DRY (BAGRAM).</i>
KMD - Keep Material Dry <i>** Use 'KMD' to denote Dry Container Trucking.</i>
LC2 - Land Currency Adjustment Factor - 20 Foot Container <i>** Use 'LC2' to denote Interior Washing - Interior washing for vehicles on flat racks.</i>
LC4 - Land Currency Adjustment - 40 Foot Container <i>** Use 'LC4' to denote Outer Routing on KKT-TSR - Northern Distribution Network (NDN) routing.</i>
LCL - Percent Differential - Less Than Container
LD - Loading Devices <i>** Use 'LD' to denote Transloading/Material Handling Equipment (MHE) Support.</i>
LEC - Less Than Container
LFD - Linehaul from Port of Debarkation
LMD - Liner Terms at Port of Debarkation
LME - Liner Terms at Port of Embarkation
LPD - Linehaul Percent Differential
LTE - Linehaul To Port of Embarkation
MAT - Modified Atmosphere

## 15-01 -- Special Handling Code (CONT)

Data Value - Definition
MES - Escort <i>** Use 'MES' to denote Escort/Supercargo.</i>
MP - Multiple Pickup <i>** Use 'MP' to denote Drop and Pick - Round Robin (Per booking).</i>
NI - New Equipment First Transborder Movement <i>** Use 'NI' to denote Customs &amp; Border Clearance Authority (CBCA) Handling Jebel Ali.</i>
OCN - Over Height Container
OCS - Completing Shipment <i>** Use 'OCS' to denote Requirement for a Complete Washing to Comply with USDA Regulations.</i>
OFU - Fumigation
OHC - Harmless <i>** Use 'OHC' to denote Overheight Surcharge Afghanistan.</i>
OOD - On Deck Stowage
OSB - Stow Below Deck
OTC - Temperature Control <i>** Use 'OTC' to denote Dual Temperature Reefer Service.</i>
OVR - Overflow <i>** Use 'OVR' to denote Overweight 70000 For Break Bulk Only.</i>
OWC - Over Width Container
OWR - One Way Rates Applied <i>** Use 'OWR' to denote Overweight 44000 For Break Bulk Only.</i>
PRT - Stuffing Charge
PS - Product Protection Service <i>** Use 'PS' to denote 3D Inspection (Disinfestation, Disinsection, Disinfection, and Sanitation).</i>
PTS - Protective Tarp For Security Purposes <i>** Use 'PTS' to denote Tarping at Destination.</i>
PUK - Pack and Unpack <i>** Use 'PUK' to denote Crating.</i>
PVP - Private Owned Vehicle Processing
RDH - Railhead Handling
REP - Respotting
RFM - Reefer Maintenance
RPD - Reefer Cargo Percent Differential <i>** Use 'RPD' to denote Percentage Differential Accessorial for Refrigerated Cargo.</i>
RRR - Round Trip Service <i>** Use 'RRR' to denote Genset Rental.</i>
RT - Record for Transit <i>** Use 'RT' to denote Protective Weapon Service.</i>
SD - Subject to Special Detention Rules/Charges
SEC - Special Equipment Charge <i>** Use 'SEC' to denote Open-Top Surcharge when an Open Top Container (Van Type Code is '4') is ordered.</i>
SER - Service Charge Applies <i>** Use 'SER' to denote Service Charge Applies/Guam Fee for Fruits and Vegetables.</i>
SFB - Single Factor Origination/Destination
SFD - Single Factor Origination/Port of Debarkation
SFE - Single Factor Port of Embarkation/Destination
SLC - Shipper Load and Count <i>** Use 'SLC' to denote Superload.</i>
SOC - Stop-off <i>** Use 'SOC' to denote Mini Stop-Off (OCONUS).</i>
SPC - Special Permit <i>** Use 'SPC' to denote Small Arms Ammunition.</i>
SSC - Stripping, Sorting & Consolidation <i>** Use 'SSC' to denote Stripping.</i>
SSN - Substitute Service Not to be Used <i>** Use 'SSN' to denote Origin Special Services - Afghanistan.</i>
SSU - Pole Lashing Equipment (PLE) Surcharge
STA - Conductivity/Anti-static Additive <i>** Use 'STA' to denote Expedited Origin Linehaul (200 miles to 400 miles).</i>
STD - Stop-off at Destination <i>** Use 'STD' to denote OCONUS Stop-off.</i>
STO - Stowage
STP - Stop-off at Origination <i>** Use 'STP' to denote CONUS Stop-off.</i>
TER - Terminal Handling Charges
TRM - Termination <i>** Use 'TRM' to denote Transloading Destination.</i>
TRN - Transfer Product <i>** Use 'TRN' to denote Transloading Origin.</i>
TRS - Trade Show <i>** Use 'TRS' to denote Expedited Origin Linehaul (401 miles to 599 miles).</i>
TS - Transit Shipment <i>** Use 'TS' to denote Mini Stop-Offs (CONUS).</i>
TT - Team Track Delivery <i>** Use 'TT' to denote Expedited Origin Linehaul (base charge &gt; 599 miles).</i>
TV - Time Volume Rates Only <i>** Use 'TV' to denote Expedited Origin Linehaul (ad'll charge &gt; 599 miles).</i>
VCL - Van Cleaning <i>** Use 'VCL' to denote Wash-Clean-Purge-Certified.</i>

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## 15-01 -- Special Handling Code (CONT)

Data Value - Definition
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VIS - Vehicles Inoperable VSO - Stop-off Delivery of Personal Vehicles <i>** Use 'VSO' to denote Veterinarian Inspectable.</i> WBB - Wharfage - Breakbulk WCT - Wharfage - Container WFG - Wharfage WRB - War Risk Crew Bonus WRI - War Risk Insurance XP - Export <i>** Use 'XP' to denote An Accessorial Export Border Clearance Service will be Applied for Break Bulk and Container Cargo Originating from Afghanistan to Pakistan for Export via Karachi, Pakistan.</i> ZZZ - Mutually Defined <i>** Use 'ZZZ' to denote Customs Services-Cargo Clearance.</i>
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## 17-11 -- Equipment Description Code

Data Value - Definition
AC - Closed Container
AT - Closed Container (Controlled Temperature)
BC - Covered Barge
BK - Container, Bulk
BO - Barge Open
BR - Barge
CC - Container resting on a Chassis
CG - Container, Tank (Gas)
CI - Container, Insulated
CJ - Container, Insulated/Ventilated
CL - Container (Closed Top - Length Unspecified)
CM - Container, Open-Sided
CN - Container
CQ - Container, Tank (Food Grade-Liquid)
CS - Container-Low Side Open Top
CU - Container (Open Top - Length Unspecified)
CV - Closed Van
CW - Container, Tank (Chemicals)
CX - Container, Tank
CZ - Refrigerated Container
DT - Drop Back Trailer
FH - Flat Bed Trailer with Headboards
FN - Flat Bed Trailer with No Headboards
FR - Flat Bed Trailer - Removable Sides
FT - Flat Bed Trailer
HB - Container with Hangar Bars
HV - High Cube Van
IX - Boxcar (Insulated)
LS - Half Height Flat Rack
OT - Open-top/flatbed trailer
OV - Open Top Van
PL - Container, Platform
RA - Fixed-Rack, Flat-Bed Trailer
RC - Refrigerated (Reefer) Car
RD - Fixed-Rack, Double Drop Trailer
RE - Flat Car (End Bulkheads)
RF - Flat Car
RR - Rail Car
RS - Fixed-Rack, Single-Drop Trailer
RT - Controlled Temperature Trailer (Reefer)
SD - Single-Drop Trailer
SL - Container, Steel
SS - Container with Smooth Sides
ST - Removable Side Trailer
TA - Trailer, Heated/Insulated/Ventilated
TC - Trailer, Car
TF - Trailer, Dry Freight
TI - Trailer, Insulated
TL - Trailer (not otherwise specified)
TM - Trailer, Insulated/Ventilated
TW - Trailer, Refrigerated
VA - Container, Vented

## 19-05 -- Packaging Code

Data Value - Definition
71 - Not Otherwise Specified
AMM - Ammo Pack
AMP - Ampoule
BAG - Bag
BBL - Barrel
BDL - Bundle
BOX - Box
CAN - Can
CNA - Household Goods Container, Wood
CNT - Container
CRT - Crate
CTN - Carton
CX2 - CONEX
CYL - Cylinder
DBK - Dry Bulk
DRM - Drum
KEG - Keg
LBK - Liquid Bulk
ML2 - MILVAN
MS2 - MSCVAN
PCS - Pieces
PLT - Pallet
REL - Reel
SKD - Skid
SV2 - SEAVAN
TNK - Tank
VEH - Vehicles
** Use 'VEH' to denote Vehicles Inoperable (INOP).
WHE - On Own Wheel
** Use 'WHE' to denote Self Propelled.