



Department
of
Defense

DoD
Transportation
Electronic Business
(DTEB) Convention

ASC X12 Transaction Set 300
Reservation (Booking Request)
(Ocean) (Version 004010)

VERSION 4

December 2012



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of
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Transportation
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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-S
508 Scott Drive
Scott Air Force Base, IL 62225-7001

To obtain DoD conventions or *ASC X12* guidance or to recommend DoD conventions or *ASC X12* maintenance, contact the following:

Military Surface Deployment and Distribution Command (SDDC)
709 Ward Drive, Bldg 1990
Scott Air Force Base, IL 62225

For the most recent publication, go to

https://cris.transcom.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 4

Added in Version 4

DM Number	DM Description	Approval Date
1066	Adds DOD unique definitions to H301 DE 152 codes LC2 and LC4	10/29/2012

Added in Version 3

DM Number	DM Description	Approval Date
1056	<p>At Section 3 Ref H301 Data Element 152 and Section 4.0 index 15-01 (Data Element 152 Ref H301) add the following codes with DOD definition provided:</p> <p>Code == X12 Definition == DoD Definition</p> <p>045 == Advanced Fee == Over height - Continental Europe</p> <p>170 == Certificate of Origin == Over height - Iraq</p> <p>510 == Offshore - Alaska/Hawaii Service == Over height - Jordan</p> <p>565 == Preparation of Export Entry == Over height - Kuwait</p> <p>A5M == Aggregate 5000 == Over height Surcharge - United Arab Emirate</p> <p>AT == Attachment to Move with Car == Afghanistan Rail Accessorial</p> <p>AV == Annual Volume == Tank Container</p> <p>BA == Clearinghouse Balance == Outer Routing Torkham</p> <p>CPC == Copilot Service == Expedited Origin Linehaul (up to 199 miles)</p> <p>STA == Conductivity/Anti-static Additive == Expedited Origin Linehaul (200 miles to 400 miles)</p> <p>TRS == Trade Show == Expedited Origin Linehaul (401 miles to 599 miles)</p> <p>TT == Team Track Delivery == Expedited Origin Linehaul (base charge > 599 miles)</p> <p>TV == Time Volume Rates Only == Expedited Origin Linehaul (ad'll charge > 599 miles)</p>	7/31/2012
1051	<p>Add new accessorial codes to 15-01 charges and to support the USC-7 Contract</p> <p>VCL - Wash-Clean-Purge-Certified</p> <p>PUK - Crating</p> <p>KMD - Dry Container Trucking</p>	7/5/2012

Added in Version 2

DM Number	DM Description	Approval Date
1034	Adds accessorial codes 'OFU' and '555' to index 15-01.	2/7/2011
1032	Adds accessorial codes 'SOC', 'FR' and 'NI' to index 15-01 .	2/25/2012

Added in Version 1

DM Number	DM Description	Approval Date
1018	Consolidated all accessorial codes to be identified under a single index (15-01) and added/changed accessorial codes to comply with SDDC and IBS implementation of accessorial charges.	8/1/2011

Section 2.0

CONTROL SEGMENTS

Overview

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

Purpose

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

Contents

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

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

Special Instructions

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

DATA ELEMENT SEPARATOR

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

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

SEGMENT TERMINATOR

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

COMPONENT ELEMENT SEPARATOR

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

GS01 CODE VALUE

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

X12 PUBLICATION

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

Interchange Control Envelope Control Segments

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

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M	ISA05	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified Select appropriate code value for sender from 4010 X12 code list for data element I05. For Department of Defense Agency Address Code (DoDAAC) use code value '10'.	M ID 2/2
M	ISA06	I06	Interchange Sender ID Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element. DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code qualified by ISA05 and coordinated with network value added network (VAN) Administrator.	M AN 15/15
M	ISA07	I05	Interchange ID Qualifier Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified Select appropriate code value for receiver from 4010 X12 code list for data element I05. For DoDAAC use code value '10'.	M ID 2/2
M	ISA08	I07	Interchange Receiver ID Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them. DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code qualified by ISA05 and coordinated with VAN Administrator.	M AN 15/15

M	ISA09	I08	Interchange Date Date of the interchange	M DT 6/6						
Date in YYMMDD format assigned by translation software										
M	ISA10	I09	Interchange Time Time of the interchange	M DT 4/4						
Time in HHMM format assigned by translation software										
M	ISA11	I10	Interchange Control Standards Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer	M ID 1/1						
<table><thead><tr><th><u>Code</u></th><th><u>Definition</u></th></tr></thead><tbody><tr><td>U</td><td>U.S. EDI Community of ASC X12, TDCC, and UCS</td></tr></tbody></table>					<u>Code</u>	<u>Definition</u>	U	U.S. EDI Community of ASC X12, TDCC, and UCS		
<u>Code</u>	<u>Definition</u>									
U	U.S. EDI Community of ASC X12, TDCC, and UCS									
M	ISA12	I11	Interchange Control Version Number This version number covers the interchange Control segments.	M ID 5/5						
<table><thead><tr><th><u>Code</u></th><th><u>Definition</u></th></tr></thead><tbody><tr><td>00401</td><td>Draft Standards for Trial Use Approved for Publication by ASC 12 Procedures Review Board through October 1997</td></tr></tbody></table>					<u>Code</u>	<u>Definition</u>	00401	Draft Standards for Trial Use Approved for Publication by ASC 12 Procedures Review Board through October 1997		
<u>Code</u>	<u>Definition</u>									
00401	Draft Standards for Trial Use Approved for Publication by ASC 12 Procedures Review Board through October 1997									
Version/release of control segment, as agreed upon by the trading partners										
M	ISA13	I12	Interchange Control Number A control number assigned by the interchange sender	M N0 9/9						
Number assigned by translation software. The sender, receiver, and all third parties should be able to maintain an audit trail of interchanges using this number.										
M	ISA14	I13	Acknowledgment Requested Code sent by the sender to request an interchange acknowledgment (TA1)	M ID 1/1						
<table><thead><tr><th><u>Code</u></th><th><u>Definition</u></th></tr></thead><tbody><tr><td>0</td><td>No Acknowledgment Requested</td></tr><tr><td>1</td><td>Interchange Acknowledgment Requested</td></tr></tbody></table>					<u>Code</u>	<u>Definition</u>	0	No Acknowledgment Requested	1	Interchange Acknowledgment Requested
<u>Code</u>	<u>Definition</u>									
0	No Acknowledgment Requested									
1	Interchange Acknowledgment Requested									
Send code agreed upon by trading partners.										

M **ISA15** **I14**

Usage Indicator

M ID 1/1

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

<u>Code</u>	<u>Definition</u>
I	Information
P	Production Data
T	Test Data

Use code value as agreed upon by trading partners.

M **ISA16** **I15**

Component Element Separator

AN 1/1

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

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

M	GS04	373	Date Date expressed as CCYYMMDD. Information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03) Date assigned by translation software	M DT 8/8				
M	GS05	337	Time Time expressed in 24-hour clock time as follows: HHMM or HHMMSS, or HHMMSSD, or HHMMSSDD, where H – hours (00-23), M = minutes (00-59), S = integer seconds (00-59), and D = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) Time expressed in HHMM format assigned by translation software	M TM 4/8				
M	GS06	28	Group Control Number Assigned number originated and maintained by the sender Number assigned by translation software. The sender, receiver, and all third parties should be able to maintain an audit trail of interchanges using this number.	M N0 1/9				
M	GS07	455	Responsible Agency Code Code used in conjunction with Data Element 480 to identify the issuer of the standard. <table border="0"> <thead> <tr> <th style="text-align: left;"><u>Code</u></th> <th style="text-align: left;"><u>Definition</u></th> </tr> </thead> <tbody> <tr> <td>X</td> <td>Accredited Standards Committee X12</td> </tr> </tbody> </table>	<u>Code</u>	<u>Definition</u>	X	Accredited Standards Committee X12	M ID 1/1
<u>Code</u>	<u>Definition</u>							
X	Accredited Standards Committee X12							
M	GS08	480	Version / Release / Industry Identified Code Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by the user), if code in DE455 in GS segment is T, then other formats are allowed. <table border="0"> <thead> <tr> <th style="text-align: left;"><u>Code</u></th> <th style="text-align: left;"><u>Definition</u></th> </tr> </thead> <tbody> <tr> <td>004010</td> <td>Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997</td> </tr> </tbody> </table> This is the version/release for all transactions within a functional group. See X12 4010 Dictionary for source code list. Note: optional positions 7- 12 are not used by the DTEB community.	<u>Code</u>	<u>Definition</u>	004010	Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997	M AN 6/6
<u>Code</u>	<u>Definition</u>							
004010	Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997							

Segment: GE Functional Group Trailer
 Usage: Mandatory
 Max Use: 1
 Purpose: To indicate the end of a functional group and to provide control information

DATA ELEMENT SUMMARY

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

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Segment: IEA Interchange Control Trailer
 Usage: Mandatory
 Max Use: 1
 Purpose: To define the end of an interchange of zero or more functional groups and interchange related control segments

DATA ELEMENT SUMMARY

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

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Section 3.0

STANDARD IMPLEMENTATION CONVENTION

This section presents the DoD's convention for generating Reservation (Booking Request) (Ocean) using ASC X12 Transaction Set 300 Reservation (Booking Request) (Ocean) (Version 004010).

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

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

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

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300 Reservation (Booking Request) (Ocean)

Functional Group ID=**RO**

Introduction:

This Draft Standard for Trial Use 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	010	ST	Transaction Set Header	M	1		
M	020	B1	Beginning Segment for Booking or Pick-up/Delivery	M	1		
	025	G61	Contact	O	3		
Not Used	030	Y6	Authentication	O	2		
Not Used	040	Y7	Priority	O	1		
M	050	Y1	Space Reservation Request	M	1		
						10	
Must Use	060	Y2	Container Details	O	1		
	065	W09	Equipment and Temperature	O	1		
	069	N9	Reference Identification	O	100		
Not Used	070	R2A	Route Information with Preference	O	25		
						10	
M	080	N1	Name	M	1		
Not Used	090	N2	Additional Name Information	O	1		
	100	N3	Address Information	O	2		
	110	N4	Geographic Location	O	1		
	120	G61	Contact	O	3		
						20	
M	130	R4	Port or Terminal	M	1		
	140	DTM	Date/Time Reference	O	15		
	150	W09	Equipment and Temperature	O	1		
	160	H3	Special Handling Instructions	O	6		
Not Used	170	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>
						999	
M	010	LX	Assigned Number	M	1		
	020	N7	Equipment Details	O	1		
Not Used	021	W09	Equipment and Temperature	O	1		
Not Used	030	DTM	Date/Time Reference	O	1		
Must Use	040	L0	Line Item - Quantity and Weight	O	1		
Must Use	050	L5	Description, Marks and Numbers	O	1		
	060	L4	Measurement	O	1		

Not Used	065	L1	Rate and Charges	O	1
			LOOP ID - H1		10
	070	H1	Hazardous Material	O	1
	080	H2	Additional Hazardous Material Description	O	10
Must Use	090	V1	Vessel Identification	O	2
	100	V9	Event Detail	O	10
	110	K1	Remarks	O	2

Summary:

	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>	<u>Notes and</u> <u>Comments</u>
M	010	SE	Transaction Set Trailer	M	1		

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

Data Element Summary

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

Segment: **B1** Beginning Segment for Booking or Pick-up/Delivery
Position: 020
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 the carrier sending the EDI transmission.
- 2 B103 is the booking date accepted by the carrier.

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

Data Element Summary

Ref.	Data Element	Name	Attributes
X	B101	Standard Carrier Alpha Code	O ID 2/4
M	B102	Shipment Identification Number	M AN 1/30
		Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	
		[2-02] 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.	
X	B103	Date	O DT 8/8
		Date expressed as CCYYMMDD	
>>	B104	Reservation Action Code	O ID 1/1
		Code identifying action on reservation or offering	
		[2-04] Reservation Action Code	
		Use code value 'U' AFTER an Ocean Carrier receives an initial TS 300 offering using a code value 'N'.	
		EXAMPLE 1: (Cargo Offering Increase) An initial offering may have been for ten (10) containers of cargo. The Ocean Carrier transmits a TS 301 Confirmation for all ten (10) containers. A shipper then indicates that it wants to increase the offering from the initial ten (10) containers to fifteen (15) containers. BS will then transmit another TS 300 using the code value 'U'. The number of containers will be the total number of containers fifteen (15), NOT just the additional ones. The Ocean Carriers can then send back a TS 301 accepting the fifteen (15), or rejecting just those five (5), since they've already accepted the original ten (10). EXAMPLE 2: (Cargo Offering Decrease) If after an initial TS 300 for ten (10) containers of cargo has been accepted by an Ocean Carrier and the shipper needs to decrease that offer by six (6), IBS will transmit a TS 300 with a code value 'U' indicating that only four (4) containers are being offered. The Ocean Carrier can send either a TS 301 accepting only those four (4) containers or a TS 301 rejecting the booking.	
		N New	
		[2-04] New	
		U Change	
		[2-04] Change	

Segment: **G61 Contact**
Position: 025
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

Ref.	Data Element	Name	Attributes
M	G6101	366 Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named	
		[3-01] Contact Function Code	
		Booking contact is the Ocean Cargo Clearance Authority at Ft. Eustis, VA. Enter Code Value 'IC' to comply with X12 syntax. CHANGE NOTE: Modify user note per DM 744.	
		IC Information Contact	
		[3-01] Information Contact	
M	G6102	93 Name	M AN 1/60
		Free-form name	
		[3-02] Name	
		Enter Booker Name at SDDC Booking Office.	
		CHANGE NOTE: User note added per DM 744.	
	G6103	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		[3-03] Communication Number Qualifier	
		TE Telephone	
		[3-03] Telephone	
	G6104	364 Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
		[3-04] Communication Number	
		Enter Telephone Number of Booker at SDDC Booking Office.	
		CHANGE NOTE: User note added per DM 744.	
X	G6105	443 Contact Inquiry Reference	O AN 1/20
		Additional reference number or description to clarify a contact number	

Segment: **Y1** Space Reservation Request
Position: 050
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
 CHANGE NOTE: References to "flight" removed from Y1 segment per DM 744.

Data Element Summary

Ref.	Data Element	Name	Attributes
>>	Y101	135 Sailing/Flight Date Estimated Date for reservation expressed in format CCYYMMDD [4-01] Sailing Date Estimated Enter the date the vessel is scheduled to depart, the vessel sailing date. CHANGE NOTE: Segment and elements of segment renamed Sailing Date per DM 744	O DT 8/8
>>	Y102	373 Date Date expressed as CCYYMMDD [4-02] Sailing Date The date the cargo is available for pickup or receipt at load port.	X DT 8/8
X	Y103	140 Standard Carrier Alpha Code Standard Carrier Alpha Code	O ID 2/4
	Y104	91 Transportation Method/Type Code Code specifying the method or type of transportation for the shipment [4-04] Transportation Method/Type Code CHANGE NOTE: User note modified and code values 'LT' and 'O' eliminated per DM 744. ELEMENT CONDITION: Use for Breakbulk and RORO only. If not used, assume shipment to be used for Container movement.	O ID 1/2
		Q Conventional Ocean [4-04] Conventional Ocean Use 'Q' to denote Breakbulk or RORO	
X	Y105	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/3
X	Y106	19 City Name Free-form text for city name	O AN 2/30
X	Y107	156 State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
X	Y108	375 Tariff Service Code Code specifying the types of services for rating purposes Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2

>>

Y109

374

Date/Time Qualifier

X ID 3/3

Code specifying type of date or time, or both date and time

[4-09] Date/Time Qualifier

CHANGE NOTE: Code value and user note added per DM 713.

169

Product Availability Date

[4-09] Product Availability Date

Use '169' to denote Cargo Availability Date

Segment: **Y2 Container Details**
Position: 060
Loop: Y2 Optional (Must Use)
Level: Heading
Usage: Optional (Must Use)
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 CHANGE NOTE: Segment made mandatory per DM 744.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	Y201	95 Number of Containers Number of shipping containers [5-01] Number of Containers Use a value zero (0) if offering breakbulk.	M N0 1/4
	Y202	78 Container Type Request Code Code indicating type of container equipment requested [5-02] Container Type Request Code CHANGE NOTE: Code value 'S' removed and code value 'W' added per DM 744. ELEMENT CONDITION: Only used for CONTAINERIZED cargo. C Containers with Chassis [5-02] Containers with Chassis W Chassis Only [5-02] Chassis Only	O ID 1/1
	Y203	56 Type of Service Code Code specifying extent of transportation service requested [5-03] Type of Service Code ELEMENT CONDITION: Use only for breakbulk NC Non-containerized cargo [5-03] Non-containerized cargo	O ID 2/2
M	Y204	24 Equipment Type 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. CHANGE NOTE: ISO reference updated per DM 740.	M ID 4/4
X	Y205	91 Transportation Method/Type Code Code specifying the method or type of transportation for the shipment Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2
X	Y206	177 Intermodal Service Code Code identifying the Intermodal Service Plan	O ID 1/2
X	Y207	140 Standard Carrier Alpha Code Standard Carrier Alpha Code	O ID 2/4

	Y208	464	Container Terms Code	O ID 3/3
			Code indicating origin and destination of transportation and type of container	
			[5-08] Container Terms Code	
			These are the lading terms, MILSTAMP Codes, as described in the Code Source 350, Defense Logistics Management System Manual. This manual can be obtained from the Defense Logistics Management Standards Office.	
			SOURCE: Defense Logistics Management System Manual	
X	Y209	465	Container Terms Code Qualifier	O ID 1/1
			Code indicating container terms reference	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	Y210	466	Total Stop-offs	O N0 1/2
			Total number of stop-offs specified for a shipment	
			[5-10] Total Stopoffs	

Segment: **W09** **Equipment and Temperature**
Position: 065
Loop: Y2 Optional (Must Use)
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
 CHANGE NOTE: Segment inserted per DM 653.
 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 150.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	W0901	40	Equipment Description Code Code identifying type of equipment used for shipment [6-01] Equipment Description Code CZ Refrigerated Container [6-01] Refrigerated Container	M ID 2/2
>>	W0902	408	Temperature Temperature [6-02] Temperature Enter the Required Set Temperature. CHANGE NOTE: Modify user note and make element mandatory per DM 744.	X R 1/4
X	W0903	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
	W0904	408	Temperature Temperature [6-04] Temperature Enter the maximum temperature.	X R 1/4
>>	W0905	355	Unit or Basis for Measurement Code 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 CHANGE NOTE: Make element mandatory per DM 744. [6-05] Unit or Basis for Measurement Code FA Fahrenheit [6-05] Fahrenheit [6-05] Fahrenheit	X ID 2/2

	W0906	3	Free Form Message Free-form text	O AN 1/60
			[6-06] Equipment and Temperature Enter a specifically desired Fahrenheit temperature preceded by a plus (+) or minus (-) sign.	
X	W0907	1122	Vent Setting Code Code describing the setting on the air vents on ocean-type containers Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
X	W0908	488	Percent Percent expressed as 0 to 100	O N0 1/3
X	W0909	380	Quantity Numeric value of quantity	O R 1/15

Segment: N9 Reference Identification
Position: 069
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
 SEGMENT CONDITION: Ocean carriers should always expect a voyage number and TCN.

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N901	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		[7-01] Reference Identification Qualifier	
		CHANGE NOTE: Change user note to indicate code value 'CT' is used to denote contract number (as opposed to contract type) per DM #688. Code value 'CE' added to bring IC documentation in line with current usage per NVR DM #678.	
	2E	Foreign Military Sales Case Number	
		A reference number designating the foreign military sale records	
		[7-01] Foreign Military Sales Case Number	
	3X	Subcontract Number	
		[7-01] Subcontract Number	
	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	
	TG	Transportation Control Number (TCN)	
		[7-01] Transportation Control Number (TCN)	
		Use 'TG' to denote SEAVAN TCNs (All breakbulk TCNs will be located in L506)	
	TH	Transportation Account Code (TAC)	
		[7-01] Transportation Account Code (TAC)	
	V3	Voyage Number	
		[7-01] Voyage Number	
		Use 'V3' to denote Military Voyage Number	

>>	N902	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			[7-02] Reference Identification		
	N903	369	Free-form Description	X	AN 1/45
			Free-form descriptive text		
			[7-03] Transportation Tracking Number (TTN)		
			ELEMENT CONDITION: When this N9 segment refers to a TCN (N901='TG') and TTN applies, convey the TTN in the N903 to associate the TCN, TTN, and container number all together in a single N9 segment.		
X	N904	373	Date	O	DT 8/8
			Date expressed as CCYYMMDD		
X	N905	337	Time	X	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
X	N906	623	Time Code	O	ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values.		
	N907	C040	Reference Identifier	O	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
			[7-07] Ocean Container Number Header		
			CHANGE NOTE: Composite data element added per DM 729.		
			COMPOSITE CONDITION: When this segment refers to a TCN (code value 'TG' in this N901) and when an offer is generated for Government-owned containers, use this composite data element to specify the Ocean Container Number associated with the TCN.		
M	C04001	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			[7-07-01] Ocean Container Number Qualifier		
			OC Ocean Container Number		
			[7-07-01] Ocean Container Number		
M	C04002	127	Reference Identification	M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
			[7-07-02] Ocean Container Number		
			Enter the 11-character Ocean Container Number.		
	C04003	128	Reference Identification Qualifier	X	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	C04004	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	C04005	128	Reference Identification Qualifier	X	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 004010 Data Element Dictionary for acceptable code values.		

C04006 **127** **Reference Identification** **X AN 1/30**
Reference information as defined for a particular Transaction Set or as
specified by the Reference Identification Qualifier

Segment: **N1** Name
Position: 080
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 ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		[8-01] Activity Identifier Code	
		CC Claimant	
		[8-01] Claimant	
		Use 'CC' to denote CCP	
		CI Consignor	
		[8-01] Consignor	
		Use 'CI' to denote Commercial Vendor Location (when appropriate).	
		CHANGE NOTE: User note added per DM 635	
		CN Consignee	
		[8-01] Consignee	
		EX Exporter	
		[8-01] Exporter	
		Use 'EX' to denote POE	
		IM Importer	
		[8-01] Importer	
		Use 'IM' to denote POD	
		SH Shipper	
		[8-01] Shipper	
		TC Tool Source	
		[8-01] Tool Source	
		Use 'TC' to denote Theater Consolidation Shipping Point (TCSB).	
		CHANGE NOTE: Code value 'TC' definition modified per DM 852	
	N102	93 Name	X AN 1/60
		Free-form name	
		[8-02] Name	

N103	66	Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		[8-03] Location Code Qualifier	
		CHANGE NOTE: User note added per DM 852.	
		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 Latitude/Longitude	
	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	
N104	67	Identification Code	X 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.)	
		CHANGE NOTE: User note modified per DM 852.	
X	N105	706 Entity Relationship Code	O ID 2/2
		Code describing entity relationship	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	N106	98 Entity Identifier Code	O ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **N3** Address Information
Position: 100
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.

CHANGE NOTE: SEGMENT CONDITION modified per DM 852
 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

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

Segment: **N4 Geographic Location**
Position: 110
Loop: N1 Mandatory
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
 2 N402 is required only if city name (N401) is in the U.S. or Canada.
Notes: [10] N4 SEGMENT - Geographic Location
 CHANGE NOTE: Segment name, usage attribute, and SEGMENT CONDITION changed per DM 852
 SEGMENT CONDITION: Use this segment only when the entry in the N101 for this loop is 'CN' or 'SH'.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
>>	N401	19 City Name Free-form text for city name [10-01] City Name	O AN 2/30
	N402	156 State or Province Code Code (Standard State/Province) as defined by appropriate government agency [10-02] State or Province Code SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	O ID 2/2
	N403	116 Postal Code Code defining 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 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	O ID 3/15
	N404	26 Country Code Code identifying the country [10-04] Country Code SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	O ID 2/3
X	N405	309 Location Qualifier Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
X	N406	310 Location Identifier Code which identifies a specific location	O AN 1/30

Segment: **G61 Contact**
Position: 120
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 Shipper POC as required.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	G6101	366 Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named	
		[11-01] Shipper Contact Code	
		DI Delivery Instructions Contact	
		[11-01] Delivery Instructions Contact	
		Use 'DI' to denote Consignee (use when N101 = CN).	
		CHANGE NOTE: Add code value 'DI' and user note per DM 635	
		OC Order Contact	
		[11-01] Order Contact	
		Use 'OC' to denote Order Contact.	
		CHANGE NOTE: Add code value 'OC' per DM 635	
		SH Shipper Contact	
		[11-01] Shipper Contact	
		Use 'SH' to denote Shipper Contact (use when N101 = SH).	
		CHANGE NOTE: Add user note per DM 635	
M	G6102	93 Name	M AN 1/60
		Free-form name	
		[11-02] Name	
		Enter the shipper POC name.	
	G6103	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		[11-03] Communication Number Qualifier	
		TE Telephone	
		[11-03] Telephone	
	G6104	364 Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
		[11-04] Communication Number	
		Enter the Shipper telephone number.	
X	G6105	443 Contact Inquiry Reference	O AN 1/20
		Additional reference number or description to clarify a contact number	

Segment: **R4** Port or Terminal
Position: 130
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

Ref.	Data Element	Name	Attributes
M	R401	Port or Terminal Function Code	M ID 1/1
		Code defining function performed at the port or terminal with respect to a shipment	
		[12-01] Port or Terminal Function Code	
		Always send code values 'D' or 'L'.	
	D	Port of Discharge (Operational)	
		Port at which cargo is unloaded from vessel	
		[12-01] Port of Discharge (Operational)	
		Use 'D' to denote where the cargo is to be unloaded by the ocean carrier	
	E	Place of Delivery (Contractual)	
		Place at which cargo leaves its care and custody of carrier	
		[12-01] Place of Delivery (Contractual)	
		Use 'E' to denote Reserved for Future Use	
	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 Reserved for Future Use	
	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 Reserved for Future Use	
	L	Port of Loading (Operational)	
		Port at which cargo is loaded on vessel	
		[12-01] Port of Loading (Operational)	
		Use 'L' to denote where the cargo is to be loaded onto the vessel	
	R	Place of Receipt (Contractual)	
		Place at which cargo enters the care and custody of carrier	
		[12-01] Place of Receipt (Contractual)	
		Use 'R' to denote Reserved for Future Use	

>>	R402	309	Location Qualifier	X	ID 1/2
			Code identifying type of location		
			[12-02] Location Qualifier		
			SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC)		
			D		Census Schedule D
					[12-02] Census Schedule D
			K		Census Schedule K
					[12-02] Census Schedule K
>>	R403	310	Location Identifier	X	AN 1/30
			Code which identifies a specific location		
			[12-03] Location Identifier		
>>	R404	114	Port Name	O	AN 2/24
			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		
X	R405	26	Country Code	O	ID 2/3
			Code identifying the country		
X	R406	174	Terminal Name	O	AN 2/30
			Free-form field for terminal name		
X	R407	113	Pier Number	O	AN 1/4
			Identifying number for the pier		
X	R408	156	State or Province Code	O	ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency		

Segment: **DTM** Date/Time Reference
Position: 140
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
CHANGE NOTE: Eliminate SEGMENT CONDITION and replace user note per DM 744.
SEGMENT CONDITION: The Required Delivery Date occurs only for the Port of discharge (R401 contains code value 'D')

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time [13-01] Delivery Date Qualifier To specify pertinent dates and times CHANGE NOTE: Remove code value '210' per DM 744.	M 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	Date Date expressed as CCYYMMDD [13-02] Required Delivery Date Enter Required Delivery Date (RDD). CHANGE NOTE: Element name and user note changed per DM 744.	X DT 8/8
X	DTM03	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8
X	DTM04	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
X	DTM05	1250	Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3
X	DTM06	1251	Date Time Period Expression of a date, a time, or range of dates, times or dates and times	X AN 1/35

Segment: **W09** Equipment and Temperature
Position: 150
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

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	W0901	40	Equipment Description Code Code identifying type of equipment used for shipment [14-01] Equipment Description Code CZ Refrigerated Container [14-01] Refrigerated Container	M ID 2/2
>>	W0902	408	Temperature Temperature [14-02] Required Set Temperature Enter the Required Set Temperature. CHANGE NOTE: User note changed and requirement attribute changed to mandatory per DM 743. (Data element renamed for clarity.) Note also that W0904, W0905, and W0906 data elements containing maximum temperature data have been deleted per DM 743.	X R 1/4
>>	W0903	355	Unit or Basis for Measurement Code 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 CHANGE NOTE: Requirement attribute changed to mandatory per DM 743. FA Fahrenheit [14-03] Fahrenheit	X ID 2/2
X	W0904	408	Temperature Temperature	X R 1/4
X	W0905	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
X	W0906	3	Free Form Message Free-form text	O AN 1/60
X	W0907	1122	Vent Setting Code Code describing the setting on the air vents on ocean-type containers Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1

X	W0908	488	Percent Percent expressed as 0 to 100	O N0 1/3
X	W0909	380	Quantity Numeric value of quantity	O R 1/15

Segment: **H3** Special Handling Instructions
Position: 160
Loop:
Level: Heading
Usage: Optional
Max Use: 6
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
 CHANGE NOTE: Consolidated multiple indices used for accessorial codes into a single one (15-01) per DM 1018 and added codes.
 SEGMENT CONDITION: Use when Special Handling applies.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>X ID 2/3</u>
>>	H301	152 Special Handling Code	X
		Code specifying special transportation handling instructions	
		[15-01] Special Handling Code	
		Code values not listed are reserved for future use.	
		045 Advanced Fee	
		[15-01] Advanced Fee	
		Use '045' to denote Over Height - Continental Europe	
		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	
		CHANGE NOTE: Code added per DM 1034	
		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	
		CHANGE NOTE: code added per DM 1018	
		A3M Aggregate 3000	
		[15-01] Aggregate 3000	
		Use 'A3M' to denote Enhanced ITV - GEN II - Port	
		CHANGE NOTE: code added per DM 1018	
		A5M Aggregate 5000	
		[15-01] Aggregate 5000	
		Use 'A5M' to denote Over Height Surcharge - United Arab Emirate	
		AGG Aggregate Tender Discount	
		[15-01] Aggregate Tender Discount	
		Use 'AGG' to denote Live Load.	
		CHANGE NOTE: Code added per DM 845	

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
ARR	Air Ride Tractor Service [15-01] Air Ride Tractor Service Use 'ARR' to denote Port Arbitrary CHANGE NOTE: code added per DM 1018
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 CHANGE NOTE: code added per DM 1018
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
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. CHANGE NOTE: Code added per DM 845
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 CHANGE NOTE: Code added per DM 845 CHANGE NOTE: Definition changed per DM 1018
CFC	Customs Fees - Container Level [15-01] Customs Fees - Container Level Use 'CFC' to denote Cargo Clearance Import CHANGE NOTE: Description changed per DM 1018

CFL	Customs Fees - Lift Level [15-01] Customs Fees - Lift Level
CGT	Cargo Taxes [15-01] Cargo Taxes
CLN	Cleaning [15-01] Cleaning Use 'CLN' to denote Rinsing CHANGE NOTE: code added per DM 1018
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 CHANGE NOTE: code added per DM 1018
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 CHANGE NOTE: code added per DM 1018
CTR	Circuitous Routing [15-01] Circuitous Routing Use 'CTR' to denote Outer Routing - Chaman CHANGE NOTE: code added per DM 1018
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
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 CHANGE NOTE: code added per DM 1018
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

	CHANGE NOTE: code added per DM 1018
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 CHANGE NOTE: code added per DM 1018
DSR	Dromedary Service Requested [15-01] Dromedary Service Requested Use 'DSR' to denote Flatrack Tie-Down. CHANGE NOTE: Code added per DM 845
EXD	Extra Driver [15-01] Extra Driver Use 'EXD' to denote Extra Driver. CHANGE NOTE: Code added per DM 845
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 CHANGE NOTE: code added per DM 1018
EXU	Exclusive Use of Vehicle Damaged [15-01] Exclusive Use of Vehicle Damaged Use 'EXU' to denote Cargo Handling Import CHANGE NOTE: code added per DM 1018
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 CHANGE NOTE: code added per DM 1018
EZE	Roadway Easy Rates Applied [15-01] Roadway Easy Rates Applied Use 'EZE' to denote Enhanced Physical Security. CHANGE NOTE: Code added per DM 845
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. CHANGE NOTE: Code added per DM 845
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 CHANGE NOTE: code added per DM 1032
GI	Grain Inspection [15-01] Grain Inspection Use 'GI' to denote Expedited Linehaul to POE.

	CHANGE NOTE: Code added per DM 845
GMS	Garment Surcharge [15-01] Garment Surcharge
GSS	Greater Security Service [15-01] Greater Security Service
HAN	Handling [15-01] Handling
HMA	Accessible Hazardous Material [15-01] Accessible Hazardous Material Use 'HMA' to denote Railcar Inspection
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
	CHANGE NOTE: Code added per DM 845
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
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) CHANGE NOTE: code added per DM 1018

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 CHANGE NOTE: code added per DM 1032
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 CHANGE NOTE: code added per DM 1018
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 Use 'OFU' to denote Fumigation CHANGE NOTE: code added per DM 1034
OHC	Harmless [15-01] Harmless Use 'OHC' to denote Overheight Surcharge Afghanistan CHANGE NOTE: code added per DM 1018
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 CHANGE NOTE: code added per DM 1018
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 CHANGE NOTE: code added per DM 1018
PRT	Stuffing Charge [15-01] Stuffing Charge
PS	Product Protection Service [15-01] Product Protection Service
PTS	Protective Tarp For Security Purposes [15-01] Protective Tarp For Security Purposes Use 'PTS' to denote Tarping at Destination CHANGE NOTE: Description changed per DM 1018

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 CHANGE NOTE: code added per DM 1018
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 Intermediate Port Stop CHANGE NOTE: code added per DM 1032
SPC	Special Permit [15-01] Special Permit Use 'SPC' to denote Small Arms Ammunition
SSC	Stripping, Sorting & Consolidation [15-01] Stripping, Sorting & Consolidation

SSU	Use 'SSC' to denote Stripping 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] Stopoff at Destination Use 'STD' to denote OCONUS Stop-off
STO	Stowage [15-01] Stowage
STP	Stop-off at Origination [15-01] Stopoff 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 CHANGE NOTE: code added per DM 1018
TRN	Transfer Product Carrier required to provide labor and equipment to transfer product [15-01] Transfer Product Use 'TRN' to denote Transloading Origin CHANGE NOTE: code added per DM 1018
TRS	Trade Show [15-01] Trade Show Use 'TRS' to denote Expedited Origin Linehaul (401 miles to 599 miles)
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 Use 'VIS' to denote Vehicles Inoperable CHANGE NOTE: code added per DM 1018
VSO	Stop-off Delivery of Personal Vehicles [15-01] Stop Off Delivery of Personal Vehicles Use 'VSO' to denote Veterinarian Inspectable CHANGE NOTE: code added per DM 1018
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	
X	H302	153	Special Handling Description		X AN 2/30
				Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate	
X	H303	241	Protective Service Code		O ID 1/4
				Code specifying perishable protective service- rail carriers only Refer to 004010 Data Element Dictionary for acceptable code values.	
X	H304	242	Vent Instruction Code		O ID 1/7
				Code specifying vent instructions Refer to 004010 Data Element Dictionary for acceptable code values.	
X	H305	257	Tariff Application Code		O ID 1/1
				Code indicating to which traffic a tariff applies Refer to 004010 Data Element Dictionary for acceptable code values.	

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

[16] LX SEGMENT - Breakbulk/Container Information Loop When booking breakbulk cargo segments in the LX loop, the loop will be repeated for each Transportation Control Number (TCN). When booking containerized cargo, segments in the LX loop will only be repeated once.

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 N0 1/6

Number assigned for differentiation within a transaction set

[16-01] Assigned Number
 When booking breakbulk cargo, assign numbers sequentially, i.e., 1,2,3,4, . . . , 999. Repeat for each TCN. Since containerized cargo loops only once, assign the number one (1).

Segment: N7 Equipment Details
Position: 020
Loop: LX Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify the equipment
Syntax Notes: 1 If either N703 or N704 is present, then the other is required.
2 If either N705 or N716 is present, then the other is required.
3 If either N708 or N709 is present, then the other is required.
Semantic Notes: 1 N712 is the owner of the equipment.
2 N723 is the operator or carrier of the rights of the equipment.
Comments: 1 N701 is mandatory for rail transactions.
2 N720 and N721 are expressed in inches.
Notes: [17] N7 SEGMENT - Equipment Description
SEGMENT CONDITION: Use only for non-ISO identified 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>
	N701	206	Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number [17-01] Equipment Initial SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association	O AN 1/4
M	N702	207	Equipment Number 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).	M AN 1/10
X	N703	81	Weight Numeric value of weight	X R 1/10
X	N704	187	Weight Qualifier Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
X	N705	167	Tare Weight Weight of the equipment	X N0 3/8
X	N706	232	Weight Allowance Allowance made for increased weight due to such factors as snow	O N0 2/6
X	N707	205	Dunnage Weight of material used to protect lading (even bracings, false floors, etc.)	O N0 1/6
X	N708	183	Volume Value of volumetric measure	X R 1/8
X	N709	184	Volume Unit Qualifier Code identifying the volume unit Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
X	N710	102	Ownership Code Code indicating the relationship of equipment to carrier or ownership of equipment Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1

>>

N711

40

Equipment Description Code

O 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	Standard Carrier Alpha Code		O ID 2/4
			Standard Carrier Alpha Code		
X	N713	319	Temperature Control		O AN 3/6
			Free-form abbreviation of temperature range or flash-point temperature		
X	N714	219	Position		O AN 1/3
			Relative position of shipment in car, trailer, or container (mutually defined)		
>>	N715	567	Equipment Length		O N0 4/5
			Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)		
			[17-15] Equipment Length		
X	N716	571	Tare Qualifier Code		X ID 1/1
			Code identifying the type of tare		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	N717	188	Weight Unit Code		O ID 1/1
			Code specifying the weight unit		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	N718	761	Equipment Number Check Digit		O N0 1/1
			Number which designates the check digit applied to a piece of equipment		
X	N719	56	Type of Service Code		O ID 2/2
			Code specifying extent of transportation service requested		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
	N720	65	Height		O R 1/8
			Vertical dimension of an object measured when the object is in the upright position		
			[17-20] Height		
X	N721	189	Width		O R 1/8
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position		
X	N722	24	Equipment Type		O ID 4/4
			Code identifying equipment type		
X	N723	140	Standard Carrier Alpha Code		O ID 2/4
			Standard Carrier Alpha Code		

X

N724

301

Car Type Code

O ID 1/4

Code specifying type of rail car or intermodal equipment type and its general characteristics

Segment: **L0** Line Item - Quantity and Weight
Position: 040
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
CHANGE NOTE: Segment made mandatory per DM 744.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
X	L001	213 Lading Line Item Number	O N0 1/3
		Sequential line number for a lading item	
X	L002	220 Billed/Rated-as Quantity	X R 1/11
		Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	
X	L003	221 Billed/Rated-as Qualifier	X ID 2/2
		Code identifying the type of quantity or value on which the rate or item pricing is based	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	L004	81 Weight	X R 1/10
		Numeric value of weight	
		[18-04] Weight	
		CHANGE NOTE: Element made mandatory per DM 744.	
>>	L005	187 Weight Qualifier	X ID 1/2
		Code defining the type of weight	
		[18-05] Weight Qualifier	
		CHANGE NOTE: Element made mandatory per DM 744.	
		E Estimated Net Weight	
		[18-05] Estimated Net Weight	
	L006	183 Volume	X R 1/8
		Value of volumetric measure	
		[18-06] Volume	
	L007	184 Volume Unit Qualifier	X ID 1/1
		Code identifying the volume unit	
		[18-07] Volume Unit Qualifier	
		E Cubic Feet	
		[18-07] Cubic Feet	

	L008	80	Lading Quantity	X	N0 1/7
			Number of units (pieces) of the lading commodity		
			[18-08] Lading Quantity		
			This is the number of breakbulk pieces. Do NOT use this element with containerized cargo.		
	L009	211	Packaging Form Code	X	ID 3/3
			Code for packaging form of the lading quantity		
			[18-09] Packaging Form Code		
			PCS Pieces		
			[18-09] Pieces		
X	L010	458	Dunnage Description	O	AN 2/25
			Material used to protect lading		
	L011	188	Weight Unit Code	O	ID 1/1
			Code specifying the weight unit		
			[18-11] Weight Unit Code		
			K Kilograms		
			[18-11] Kilograms		
			L Pounds		
			[18-11] Pounds		
X	L012	56	Type of Service Code	O	ID 2/2
			Code specifying extent of transportation service requested		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	L013	380	Quantity	X	R 1/15
			Numeric value of quantity		
X	L014	211	Packaging Form Code	O	ID 3/3
			Code for packaging form of the lading quantity		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	L015	1073	Yes/No Condition or Response Code	X	ID 1/1
			Code indicating a Yes or No condition or response		
			Refer to 004010 Data Element Dictionary for acceptable code values.		

Segment: **L5** Description, Marks and Numbers
Position: 050
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
X	L501	213 Lading Line Item Number	O N0 1/3
		Sequential line number for a lading item	
	L502	79 Lading Description	O 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 AN 1/30
		Code describing a commodity or group of commodities	
		[19-03] Commodity Code	
		Enter the Commodity Code. See the Transportation Reference Data Model (TRDM) commonly referred to as TMDS, website at https://www-tmids.c2.amc.af.mil/TMDS/index.jsp , clicking on DTR Reference Data, keyword 'Water Commodity'.	
		CHANGE NOTE: Element made mandatory and user note added per DM 744.	
>>	L504	23 Commodity Code Qualifier	X ID 1/1
		Code identifying the commodity coding system used for Commodity Code	
		[19-04] Commodity Code Qualifier	
		CHANGE NOTE: Element made mandatory per DM 744,	
		I Milstamp AITC or Water Commodity Code	
		[19-04] Milstamp AITC or Water Commodity Code	
	L505	103 Packaging Code	O AN 3/5
		Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required	
		[19-05] Packaging Code	
		The only code values used with containerized bookings are 'CNT', 'SV2', 'ML2', and 'MS2'. Use all other code values with breakbulk.	
		CHANGE NOTE: Code value 'CNA' corrected (from 'CAN') per DM 773.	
		CHANGE NOTE: Code value 'ML2' corrected (from 'MLS') in user note per DM 828.	
		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	
		WHE	On Own Wheel	
			[19-05] On Own Wheel	
			Use 'WHE' to denote RORO	
	L506	87	Marks and Numbers	X AN 1/48
			Marks and numbers used to identify a shipment or parts of a shipment	
			[19-06] Breakbulk Transportation Control Number	
			ELEMENT CONDITION: Use ONLY with BREAKBULK cargo, not containerized cargo. Enter only the Transportation Control Number (TCN) into this data element.	
X	L507	88	Marks and Numbers Qualifier	O ID 1/2
			Code specifying the application or source of Marks and Numbers (87)	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	L508	23	Commodity Code Qualifier	X ID 1/1
			Code identifying the commodity coding system used for Commodity Code	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	L509	22	Commodity Code	X AN 1/30
			Code describing a commodity or group of commodities	
X	L510	595	Compartment ID Code	O ID 1/1
			Code identifying the compartment in a compartmentalized tank car	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **L4 Measurement**
Position: 060
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 oversized cargo.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	L401	82	Length Largest horizontal dimension of an object measured when the object is in the upright position [20-01] Length	M R 1/8
M	L402	189	Width Shorter measurement of the two horizontal dimensions measured with the object in the upright position [20-02] Width	M R 1/8
M	L403	65	Height Vertical dimension of an object measured when the object is in the upright position [20-03] Height	M R 1/8
M	L404	90	Measurement Unit Qualifier Code specifying the linear dimensional unit [20-04] Measurement Unit Qualifier N Inches [20-04] Inches	M ID 1/1
	L405	380	Quantity Numeric value of quantity [20-05] Quantity This quantity is the number of oversized breakbulk pieces	O R 1/15
X	L406	1271	Industry Code Code indicating a code from a specific industry code list	O AN 1/30

Segment: **H1 Hazardous Material**
Position: 070
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: [21] H1 SEGMENT - Hazardous Material Information
 SEGMENT CONDITION: Use for hazardous shipments.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	H101	62 Hazardous Material Code	M AN 4/10
		Code relating to hazardous material code qualifier for regulated hazardous materials [21-01] 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 Tariff Publishing Officer; 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; U.S. Government Printing Office 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 Sales No: 200 89.10.E International Maritime Organization	
>>	H102	209 Hazardous Material Class Code	O AN 1/4
		Code specifying the kind of hazard for a material [21-02] Hazardous Material Class Code Use the IMDG number found in Source Code 52.	
>>	H103	208 Hazardous Material Code Qualifier	O ID 1/1
		Code which qualifies the Hazardous Material Class Code (209) [21-03] Hazardous Material Code Qualifier I Intergovernmental Maritime Organization (IMO) Code [21-03] Intergovernmental Maritime Organization (IMO) Code	
>>	H104	64 Hazardous Material Description	O AN 2/30
		Material name, special instructions, and phone number if any [21-04] 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 Tariff Publishing Officer; 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; U.S. Government Printing Office 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 Sales No: 200 89.10.E International Maritime Organization

>> **H105** **63** **Hazardous Material Contact** **O** **AN 1/24**

Phone number and name of person or department to contact in case of emergency

[21-05] Hazardous Material Contact

The first ten (10) spaces will be the phone number. Do not use hyphens or spaces in the telephone number. No 1-800 numbers. 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.

CHANGE NOTE: User note modified per DM 744.

>> **H106** **200** **Hazardous Materials Page** **O** **AN 1/6**

The United Nations page number as required for the international transport of hazardous materials

[21-06] Hazardous Materials Page

SOURCE: International Maritime Dangerous Goods Code available from Intergovernment Maritime Consultants Organization (IMCO)

H107 **77** **Flashpoint Temperature** **X** **N0 1/3**

The flashpoint temperature for hazardous material

[21-07] Flashpoint Temperature

H108 **355** **Unit or Basis for Measurement Code** **X** **ID 2/2**

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

[21-08] Unit or Basis for Measurement Code

CE	Centigrade, Celsius
	[21-08] Centigrade, Celsius
	Use 'CE' to denote Centigrade

FA	Fahrenheit
	[21-08] Fahrenheit

H109 **254** **Packing Group Code** **O** **ID 1/3**

Code indicating degree of danger in terms of Roman number I, II or III

[21-09] 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: 080
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:

[22] 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	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	H201	Hazardous Material Description	M AN 2/30
	64	Material name, special instructions, and phone number if any [22-01] 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 Tariff Publishing Officer; 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; U.S. Government Printing Office 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 Sales No: 200 89.10.E International Maritime Organization	
	H202	Hazardous Material Classification	O AN 1/30
	274	Free-form description of hazardous material classification or division or label requirements [22-02] Hazardous Material Classification ELEMENT CONDITION: Information in this element is a continuation from H104.	

Segment: **V1 Vessel Identification**
Position: 090
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: [23] V1 SEGMENT - Vessel Identification

Data Element Summary

Ref.	Data Element	Name	Attributes
>>	V101	597 Vessel Code	X ID 1/8
		Code identifying vessel	
		[23-01] 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	
>>	V102	182 Vessel Name	X AN 2/28
		Name of ship as documented in "Lloyd's Register of Ships"	
		[23-02] Vessel Name	
		SOURCE: Lloyd's Register of Shipping	
>>	V103	26 Country Code	O ID 2/3
		Code identifying the country	
		[23-03] Country Code	
		SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	
>>	V104	55 Flight/Voyage Number	O AN 2/10
		Identifying designator for the particular flight or voyage on which the cargo travels	
		[23-04] Voyage Number	
		Enter the commercial voyage number.	
X	V105	140 Standard Carrier Alpha Code	O ID 2/4
		Standard Carrier Alpha Code	
X	V106	249 Vessel Requirement Code	O ID 1/1
		Code specifying options for satisfying vessel requirements	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	V107	854 Vessel Type Code	O ID 2/2
		Code to determine type of vessel	
		Refer to 004010 Data Element Dictionary for acceptable code values.	

V108 **897** **Vessel Code Qualifier** **O ID 1/1**

Code specifying vessel code source

[23-08] Vessel Code Qualifier

- C Ship's Radio Call Signal
[23-08] Ship's Radio Call Signal
- L Lloyd's Register of Shipping
[23-08] Lloyd's Register of Shipping
- Z Mutually Defined
[23-08] Mutually Defined
Use 'Z' to denote Barges or Other Vessels Not Identified
by Lloyds

X **V109** **91** **Transportation Method/Type Code** **O ID 1/2**

Code specifying the method or type of transportation for the shipment

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: **V9** Event Detail
Position: 100
Loop:
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify information about a specific event
Syntax Notes:

- 1 If either V910 or V911 is present, then the other is required.
- 2 If V913 is present, then V904 is required.
- 3 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: [24] V9 SEGMENT - Spot Date
SEGMENT CONDITION: Use when Spot Date applies.
[25] V9 SEGMENT - Mileage
SEGMENT CONDITION: Use when CONUS or OCONUS Mileage applies.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	V901	304	Event Code	M ID 3/3
			Code identifying the event about which a report is made	
			[24-01] Event Code	
			[25-01] DTOD Qualifier	
			SPT Spot Date	
			[24-01] Spot Date	
			ZZZ Mutually Defined	
			[25-01] Mutually Defined	
			Use 'ZZZ' to denote Defense Table of Official Distances (DTOD)	
>>	V902	106	Event	O AN 1/25
			Free-form description of event	
			[25-02] Mileage Qualifier	
			Enter value '1B' to designate overseas mileage or value 'SD' to denote CONUS Mileage.	
>>	V903	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	
			[24-03] Date	
			Enter the spot date.	
			CHANGE NOTE: Make element mandatory per DM 744.	

X	V904	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X	TM 4/8
X	V905	19	City Name Free-form text for city name	O	AN 2/30
X	V906	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O	ID 2/2
X	V907	26	Country Code Code identifying the country	O	ID 2/3
X	V908	641	Status Reason Code Code indicating the status reason Refer to 004010 Data Element Dictionary for acceptable code values.	O	ID 3/3
X	V909	154	Standard Point Location Code Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	X	ID 6/9
X	V910	380	Quantity Numeric value of quantity	X	R 1/15
X	V911	1274	Train Delay Reason Code Code specifying reason for train delay	X	AN 2/2
>>	V912	61	Free-Form Message Free-form information [24-12] Free-Form Message Enter the number of containers to be spotted. [25-12] Mileage Enter appropriate mileage.	O	AN 1/30
X	V913	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values.	O	ID 2/2
X	V914	380	Quantity Numeric value of quantity	O	R 1/15
X	V915	154	Standard Point Location Code Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	O	ID 6/9
X	V916	86	Total Equipment Total pieces of equipment	O	N0 1/3
X	V917	86	Total Equipment Total pieces of equipment	O	N0 1/3
X	V918	86	Total Equipment Total pieces of equipment	O	N0 1/3
X	V919	81	Weight Numeric value of weight	O	R 1/10
X	V920	82	Length Largest horizontal dimension of an object measured when the object is in the upright position	O	R 1/8

Segment: **K1** Remarks
Position: 110
Loop:
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To transmit information in a free-form format for comment or special instruction
Syntax Notes:
Semantic Notes:
Comments:
Notes: [26] 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	Free-Form Message Free-form information [26-01] Free-Form Message	M AN 1/30
	K102	61	Free-Form Message Free-form information [26-02] Free-Form Message	O AN 1/30

Segment: **SE** Transaction Set Trailer
Position: 010
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: [27] SE SEGMENT - Reservation (Booking Request) (Ocean) Trailer

Data Element Summary

	Ref.	Data	Attributes
	Des.	Element Name	
M	SE01	96 Number of Included Segments	M N0 1/10
		Total number of segments included in a transaction set including ST and SE segments	
		[27-01] Number of Included Segments	
		Total segments in this transaction set including the ST and SE segments.	
M	SE02	329 Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
		[27-02] 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		ST SEGMENT - Reservation (Booking Request) (Ocean) Header	M	1	010	M	1							
1-01		Transaction Set Identifier Code 300 - Reservation (Booking Request) (Ocean)	M ID 3/3	1	010	M	1				ST01	143	M	ID 3/3
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	010	M	1				ST02	329	M	AN 4/9
2		B1 SEGMENT - Shipment Identification	M	1	020	M	1							
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	020	M	1				B102	145	M	AN 1/30
2-04		Reservation Action Code Use code value 'U' AFTER an Ocean Carrier receives an initial TS 300 offering using a code value 'N'. EXAMPLE 1: (Cargo Offering Increase) An initial offering may have been for ten (10) containers of cargo. The Ocean Carrier transmits a TS 301 Confirmation for all ten (10) containers. A shipper then indicates that it wants to increase the offering from the initial ten (10) containers to fifteen (15) containers. BS will then transmit another TS 300 using the code value 'U'. The number of containers will be the total number of containers fifteen (15), NOT just the additional ones. The Ocean Carriers can then send back a TS 301 accepting the fifteen (15), or rejecting just those five (5), since they've already accepted the original ten (10). EXAMPLE 2: (Cargo Offering Decrease) If after an initial TS 300 for ten (10) containers of cargo has been accepted by an Ocean Carrier and the shipper needs to decrease that offer by six (6), IBS will transmit a TS 300 with a code value 'U' indicating that only four (4) containers are being offered. The Ocean Carrier can send either a TS 301 accepting only those four (4) containers or a TS 301 rejecting the booking. N - New U - Change	M ID 1/1	1	020	M	1				B104	558	O	ID 1/1
3		G61 SEGMENT - Booking Contact Information SEGMENT CONDITION: Use when Booking Contact Information applies.	C	1	025	O	3							See X12 Standards for explanation of syntax notes. P0304

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300.A.004010

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	
3-01		Contact Function Code Booking contact is the Ocean Cargo Clearance Authority at Ft. Eustis, VA. Enter Code Value 'IC' to comply with X12 syntax. CHANGE NOTE: Modify user note per DM 744. IC - Information Contact	M ID 2/2	1	025	O	3				G6101	366	M ID 2/2	
3-02		Name Enter Booker Name at SDDC Booking Office. CHANGE NOTE: User note added per DM 744.	M AN 1/60	1	025	O	3				G6102	93	M AN 1/60	
3-03		Communication Number Qualifier TE - Telephone	C ID 2/2	1	025	O	3				G6103	365	C ID 2/2	
3-04		Communication Number Enter Telephone Number of Booker at SDDC Booking Office. CHANGE NOTE: User note added per DM 744.	C AN 1/80	1	025	O	3				G6104	364	C AN 1/80	
4		Y1 SEGMENT - Sailing Date CHANGE NOTE: References to "flight" removed from Y1 segment per DM 744.	M	1	050	M	1							See X12 Standards for explanation of syntax notes. P0209
4-01		Sailing Date Estimated Enter the date the vessel is scheduled to depart, the vessel sailing date. CHANGE NOTE: Segment and elements of segment renamed Sailing Date per DM 744	M DT 8/8	1	050	M	1				Y101	135	O DT 8/8	
4-02		Sailing Date The date the cargo is available for pickup or receipt at load port.	M DT 8/8	1	050	M	1				Y102	373	C DT 8/8	
4-04		Transportation Method/Type Code CHANGE NOTE: User note modified and code values 'LT' and 'O' eliminated per DM 744. ELEMENT CONDITION: Use for Breakbulk and RORO only. If not used, assume shipment to be used for Container movement. Q - Conventional Ocean <i>Use 'Q' to denote Breakbulk or RORO.</i>	C ID 1/2	1	050	M	1				Y104	91	O ID 1/2	

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DoD INFORMATION					X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
4-09		Date/Time Qualifier CHANGE NOTE: Code value and user note added per DM 713. 169 - Product Availability Date Use '169' to denote Cargo Availability Date.	M	ID	3/3	1	050	M	1			Y109	374	C	ID 3/3
5		Y2 SEGMENT - Container Information CHANGE NOTE: Segment made mandatory per DM 744.	M			1	060	O	1	10	1	Y2			
5-01		Number of Containers Use a value zero (0) if offering breakbulk.	M	N0	1/4	1	060	O	1	10	1	Y2	Y201	95	M N0 1/4
5-02		Container Type Request Code CHANGE NOTE: Code value 'S' removed and code value 'W' added per DM 744. ELEMENT CONDITION: Only used for CONTAINERIZED cargo. C - Containers with Chassis W - Chassis Only	C	ID	1/1	1	060	O	1	10	1	Y2	Y202	78	O ID 1/1
5-03		Type of Service Code ELEMENT CONDITION: Use only for breakbulk NC - Non-containerized cargo	C	ID	2/2	1	060	O	1	10	1	Y2	Y203	56	O ID 2/2
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. CHANGE NOTE: ISO reference updated per DM 740.	M	ID	4/4	1	060	O	1	10	1	Y2	Y204	24	M ID 4/4
5-08		Container Terms Code These are the lading terms, MILSTAMP Codes, as described in the Code Source 350, Defense Logistics Management System Manual. This manual can be obtained from the Defense Logistics Management Standards Office. SOURCE: Defense Logistics Management System Manual	C	ID	3/3	1	060	O	1	10	1	Y2	Y208	464	O ID 3/3
5-10		Total Stopoffs	C	N0	1/2	1	060	O	1	10	1	Y2	Y210	466	O N0 1/2

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
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 150. CHANGE NOTE: Segment inserted per DM 653.	C		1	065	O	1	10	1	Y2			See X12 Standards for explanation of syntax notes. P0203P0405	
6-01		Equipment Description Code CZ - Refrigerated Container	M	ID 2/2	1	065	O	1	10	1	Y2	W0901	40	M	ID 2/2
6-02		Temperature Enter the Required Set Temperature. CHANGE NOTE: Modify user note and make element mandatory per DM 744.	M	R 1/4	1	065	O	1	10	1	Y2	W0902	408	C	R 1/4
6-05		Unit or Basis for Measurement Code CHANGE NOTE: Make element mandatory per DM 744. FA - Fahrenheit	M	ID 2/2	1	065	O	1	10	1	Y2	W0905	355	C	ID 2/2
6-04		Temperature Enter the maximum temperature.	C	R 1/4	1	065	O	1	10	1	Y2	W0904	408	C	R 1/4
6-05		Unit or Basis for Measurement Code FA - Fahrenheit	C	ID 2/2	1	065	O	1	10	1	Y2	W0905	355	C	ID 2/2
6-06		Equipment and Temperature Enter a specifically desired Fahrenheit temperature preceded by a plus (+) or minus (-) sign. Sample Values: +32, -10	C	AN 1/60	1	065	O	1	10	1	Y2	W0906	3	O	AN 1/60
7		N9 SEGMENT - Reference Identification SEGMENT CONDITION: Ocean carriers should always expect a voyage number and TCN.	C		1	069	O	100						See X12 Standards for explanation of syntax notes. R0203C0605	

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
7-01		Reference Identification Qualifier CHANGE NOTE: Change user note to indicate code value 'CT' is used to denote contract number (as opposed to contract type) per DM #688. Code value 'CE' added to bring IC documentation in line with current usage per NVR DM #678. 2E - Foreign Military Sales Case Number 3X - Subcontract Number 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 TG - Transportation Control Number (TCN) <i>Use 'TG' to denote SEAVAN TCNs (All breakbulk TCNs will be located in L506).</i> TH - Transportation Account Code (TAC) V3 - Voyage Number <i>Use 'V3' to denote Military Voyage Number.</i>	M ID 2/2	1	069	O	100				N901	128	M ID 2/3	
7-02		Reference Identification	M AN 1/30	1	069	O	100				N902	127	C AN 1/30	
7-03		Transportation Tracking Number (TTN) ELEMENT CONDITION: When this N9 segment refers to a TCN (N901='TG') and TTN applies, convey the TTN in the N903 to associate the TCN, TTN, and container number all together in a single N9 segment.	C AN 17/17	1	069	O	100				N903	369	C AN 1/45	
7-07		Ocean Container Number Header COMPOSITE CONDITION: When this segment refers to a TCN (code value 'TG' in this N901) and when an offer is generated for Government-owned containers, use this composite data element to specify the Ocean Container Number associated with the TCN. CHANGE NOTE: Composite data element added per DM 729.	C CE	1	069	O	100				N907	C040	O CE	See X12 Standards for explanation of syntax notes. P0304P0506
7-07-01		Ocean Container Number Qualifier OC - Ocean Container Number	M ID 2/2	1	069	O	100				C04001	128	M ID 2/3	
7-07-02		Ocean Container Number Enter the 11-character Ocean Container Number.	M AN 11/11	1	069	O	100				C04002	127	M AN 1/30	

DoD INFORMATION				X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
8		N1 SEGMENT - Activity Identification	M	1	080	M	1	10	1	N1				
See X12 Standards for explanation of syntax notes. R0203P0304														
8-01		Activity Identifier Code CC - Claimant <i>Use 'CC' to denote CCP.</i> CI - Consignor <i>Use 'CI' to denote Commercial Vendor Location (when appropriate).</i> <i>CHANGE NOTE: User note added per DM 635.</i> CN - Consignee EX - Exporter <i>Use 'EX' to denote POE.</i> IM - Importer <i>Use 'IM' to denote POD.</i> SH - Shipper TC - Tool Source <i>Use 'TC' to denote Theater Consolidation Shipping Point (TCSB).</i> <i>CHANGE NOTE: Code value 'TC' definition modified per DM 852.</i>	M ID 2/2	1	080	M	1	10	1	N1	N101	98	M ID	2/3
8-02		Name	C AN 1/60	1	080	M	1	10	1	N1	N102	93	C AN	1/60

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
8-03		Location Code Qualifier CHANGE NOTE: User note added per DM 852. 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> 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>	C	ID	2/2	1	080	M	1	10	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.) CHANGE NOTE: User note modified per DM 852.	C	AN	2/80	1	080	M	1	10	1	N1	N104	67	C	AN	2/80
9		N3 SEGMENT - Address Information 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. CHANGE NOTE: SEGMENT CONDITION modified per DM 852	C			1	100	O	2	10	1	N1					
9-01		Address Information	M	AN	1/55	1	100	O	2	10	1	N1	N301	166	M	AN	1/55
9-02		Address Information	C	AN	1/55	1	100	O	2	10	1	N1	N302	166	O	AN	1/55
10		N4 SEGMENT - Geographic Location SEGMENT CONDITION: Use this segment only when the entry in the N101 for this loop is 'CN' or 'SH'. CHANGE NOTE: Segment name, usage attribute, and SEGMENT CONDITION changed per DM 852	C			1	110	O	1	10	1	N1					

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DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
10-01		City Name	M	AN	2/30	1	110	O	1	10	1	N1	N401	19	O AN	2/30
10-02		State or Province Code SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	1	110	O	1	10	1	N1	N402	156	O ID	2/2
10-03		Postal Code SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	C	ID	3/15	1	110	O	1	10	1	N1	N403	116	O ID	3/15
10-04		Country Code SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	C	ID	2/3	1	110	O	1	10	1	N1	N404	26	O ID	2/3
11		G61 SEGMENT - Shipper POC Information SEGMENT CONDITION: Use to convey Shipper POC as required.	C			1	120	O	3	10	1	N1				
																See X12 Standards for explanation of syntax notes. P0304
11-01		Shipper Contact Code DI - Delivery Instructions Contact <i>Use 'DI' to denote Consignee (use when N101 = CN).</i> <i>CHANGE NOTE: Add code value 'DI' and user note per DM 635.</i> OC - Order Contact <i>Use 'OC' to denote Order Contact.</i> <i>CHANGE NOTE: Add code value 'OC' per DM 635.</i> SH - Shipper Contact <i>Use 'SH' to denote Shipper Contact (use when N101 = SH).</i> <i>CHANGE NOTE: Add user note per DM 635.</i>	M	ID	2/2	1	120	O	3	10	1	N1	G6101	366	M ID	2/2
11-02		Name Enter the shipper POC name.	M	AN	1/60	1	120	O	3	10	1	N1	G6102	93	M AN	1/60
11-03		Communication Number Qualifier TE - Telephone	C	ID	2/2	1	120	O	3	10	1	N1	G6103	365	C ID	2/2
11-04		Communication Number Enter the Shipper telephone number.	C	AN	1/80	1	120	O	3	10	1	N1	G6104	364	C AN	1/80

DoD INFORMATION					X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes			
12		R4 SEGMENT - Port Information	M		1	130	M	1	20	1	R4						
					See X12 Standards for explanation of syntax notes. P0203												
12-01		Port or Terminal Function Code Always send code values 'D' or 'L'. D - Port of Discharge (Operational) <i>Use 'D' to denote where the cargo is to be unloaded by the ocean carrier.</i> E - Place of Delivery (Contractual) <i>Use 'E' to denote Reserved for Future Use.</i> J - Bill of Lading Port of Loading (Contractual) <i>Use 'J' to denote Reserved for Future Use.</i> K - Bill of Lading Port of Discharge (Contractual) <i>Use 'K' to denote Reserved for Future Use.</i> L - Port of Loading (Operational) <i>Use 'L' to denote where the cargo is to be loaded onto the vessel.</i> R - Place of Receipt (Contractual) <i>Use 'R' to denote Reserved for Future Use.</i>	M	ID	1/1	1	130	M	1	20	1	R4	R401	115	M	ID	1/1
12-02		Location Qualifier SOURCE: Defense Traffic Management Regulation (DTMR), Appendix I - Government Bill of Lading Codes available from Military Traffic Management Command (MTMC) D - Census Schedule D K - Census Schedule K	M	ID	1/1	1	130	M	1	20	1	R4	R402	309	C	ID	1/2
12-03		Location Identifier	M	AN	1/30	1	130	M	1	20	1	R4	R403	310	C	AN	1/30
12-04		Port Name	M	AN	2/24	1	130	M	1	20	1	R4	R404	114	O	AN	2/24
13		DTM SEGMENT - Delivery Date SEGMENT CONDITION: The Required Delivery Date occurs only for the Port of discharge (R401 contains code value 'D') CHANGE NOTE: Eliminate SEGMENT CONDITION and replace user note per DM 744.	C			1	140	O	15	20	1	R4					
					See X12 Standards for explanation of syntax notes. R020305C0403P0506												

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	
13-01		Delivery Date Qualifier To specify pertinent dates and times CHANGE NOTE: Remove code value '210' per DM 744. 996 - Required Delivery <i>Use '996' to denote Required Delivery Date (RDD).</i>	M ID 3/3	1	140	O	15	20	1	R4	DTM01	374	M ID	3/3
13-02		Required Delivery Date Enter Required Delivery Date (RDD). CHANGE NOTE: Element name and user note changed per DM 744.	M DT 8/8	1	140	O	15	20	1	R4	DTM02	373	C DT	8/8
14		W09 SEGMENT - Temperature Data SEGMENT CONDITION: To be used with reefers.	C	1	150	O	1							See X12 Standards for explanation of syntax notes. P0203P0405
14-01		Equipment Description Code CZ - Refrigerated Container	M ID 2/2	1	150	O	1				W0901	40	M ID	2/2
14-02		Required Set Temperature Enter the Required Set Temperature. CHANGE NOTE: User note changed and requirement attribute changed to mandatory per DM 743. (Data element renamed for clarity.) Note also that W0904, W0905, and W0906 data elements containing maximum temperature data have been deleted per DM 743.	M R 1/4	1	150	O	1				W0902	408	C R	1/4
14-03		Unit or Basis for Measurement Code CHANGE NOTE: Requirement attribute changed to mandatory per DM 743. FA - Fahrenheit	M ID 2/2	1	150	O	1				W0903	355	C ID	2/2
15		H3 SEGMENT - Special Handling SEGMENT CONDITION: Use when Special Handling applies. CHANGE NOTE: Consolidated multiple indices used for accessorial codes into a single one (15-01) per DM 1018 and added codes.	C	1	160	O	6							See X12 Standards for explanation of syntax notes. E0102
15-01		Special Handling Code Code values not listed are reserved for future use. See Section 6 for list of data values.	M ID 2/3	1	160	O	6				H301	152	C ID	2/3
16		LX SEGMENT - Breakbulk/Container Information Loop When booking breakbulk cargo segments in the LX loop, the loop will be repeated for each Transportation Control Number (TCN). When booking containerized cargo, segments in the LX loop will only be repeated once.	M	2	010	M	1	999	1	LX				

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
16-01		Assigned Number When booking breakbulk cargo, assign numbers sequentially, i.e., 1,2,3,4, . . . , 999. Repeat for each TCN. Since containerized cargo loops only once, assign the number one (1).	M N0 1/6	2	010	M	1	999	1	LX	LX01	554	M N0 1/6	
17		N7 SEGMENT - Equipment Description SEGMENT CONDITION: Use only for non-ISO identified CONTAINERIZED CARGO. Do NOT use for breakbulk cargo.	C	2	020	O	1	999	1	LX			See X12 Standards for explanation of syntax notes. P0304P0516P0809	
17-01		Equipment Initial SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association	C AN 1/4	2	020	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 1/1	2	020	O	1	999	1	LX	N702	207	M AN 1/10	
17-11		Equipment Description Code See Section 6 for list of data values.	M ID 2/2	2	020	O	1	999	1	LX	N711	40	O ID 2/2	
17-15		Equipment Length	M N0 4/5	2	020	O	1	999	1	LX	N715	567	O N0 4/5	
17-20		Height	C R 1/8	2	020	O	1	999	1	LX	N720	65	O R 1/8	
18		L0 SEGMENT - Weight/Volume/Pieces/Lading Quantity CHANGE NOTE: Segment made mandatory per DM 744.	M	2	040	O	1	999	1	LX			See X12 Standards for explanation of syntax notes. P0203P0405P0607P0809C1104P1315	
18-04		Weight CHANGE NOTE: Element made mandatory per DM 744.	M R 1/10	2	040	O	1	999	1	LX	L004	81	C R 1/10	
18-05		Weight Qualifier CHANGE NOTE: Element made mandatory per DM 744. E - Estimated Net Weight	M ID 1/1	2	040	O	1	999	1	LX	L005	187	C ID 1/2	
18-06		Volume	C R 1/8	2	040	O	1	999	1	LX	L006	183	C R 1/8	
18-07		Volume Unit Qualifier E - Cubic Feet	C ID 1/1	2	040	O	1	999	1	LX	L007	184	C ID 1/1	

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
18-08		Lading Quantity This is the number of breakbulk pieces. Do NOT use this element with containerized cargo.	C NO 1/7	2	040	O	1	999	1	LX	L008	80	C NO	1/7
18-09		Packaging Form Code PCS - Pieces	C ID 3/3	2	040	O	1	999	1	LX	L009	211	C ID	3/3
18-11		Weight Unit Code K - Kilograms L - Pounds	C ID 1/1	2	040	O	1	999	1	LX	L011	188	O ID	1/1
19		L5 SEGMENT - Commodity Description	M	2	050	O	1	999	1	LX	See X12 Standards for explanation of syntax notes. P0304C0706P0809			
19-02		Lading Description This is a free form text describing the commodity code.	C AN 1/50	2	050	O	1	999	1	LX	L502	79	O AN	1/50
19-03		Commodity Code Enter the Commodity Code. See the Transportation Reference Data Model (TRDM) commonly referred to as TMDS, website at https://www-tmids.c2.amc.af.mil/TMDS/index.jsp , clicking on DTR Reference Data, keyword 'Water Commodity'. CHANGE NOTE: Element made mandatory and user note added per DM 744.	M AN 1/30	2	050	O	1	999	1	LX	L503	22	C AN	1/30
19-04		Commodity Code Qualifier CHANGE NOTE: Element made mandatory per DM 744, I - Milstamp AITC or Water Commodity Code	M ID 1/1	2	050	O	1	999	1	LX	L504	23	C ID	1/1
19-05		Packaging Code The only code values used with containerized bookings are 'CNT', 'SV2', 'ML2', and 'MS2'. Use all other code values with breakbulk. CHANGE NOTE: Code value 'CNA' corrected (from 'CAN') per DM 773. CHANGE NOTE: Code value 'ML2' corrected (from 'MLS') in user note per DM 828. See Section 6 for list of data values.	C AN 3/5	2	050	O	1	999	1	LX	L505	103	O AN	3/5
19-06		Breakbulk Transportation Control Number ELEMENT CONDITION: Use ONLY with BREAKBULK cargo, not containerized cargo. Enter only the Transportation Control Number (TCN) into this data element.	C AN 17/17	2	050	O	1	999	1	LX	L506	87	C AN	1/48
20		L4 SEGMENT - Measurements SEGMENT CONDITION: Only use for outsized cargo.	C	2	060	O	1	999	1	LX				

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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		
20-01		Length	M	R	1/8	2	060	O	1	999	1	LX	L401	82	M R	1/8
20-02		Width	M	R	1/8	2	060	O	1	999	1	LX	L402	189	M R	1/8
20-03		Height	M	R	1/8	2	060	O	1	999	1	LX	L403	65	M R	1/8
20-04		Measurement Unit Qualifier N - Inches	M	ID	1/1	2	060	O	1	999	1	LX	L404	90	M ID	1/1
20-05		Quantity This quantity is the number of oversized breakbulk pieces	C	R	1/15	2	060	O	1	999	1	LX	L405	380	O R	1/15
21		H1 SEGMENT - Hazardous Material Information SEGMENT CONDITION: Use for hazardous shipments.	C			2	070	O	1	10	2	H1				See X12 Standards for explanation of syntax notes. P0708
21-01		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 Tariff Publishing Officer; 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; U.S. Government Printing Office 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 Sales No: 200 89.10.E International Maritime Organization	M	AN	4/10	2	070	O	1	10	2	H1	H101	62	M AN	4/10
21-02		Hazardous Material Class Code Use the IMDG number found in Source Code 52.	M	AN	1/4	2	070	O	1	10	2	H1	H102	209	O AN	1/4
21-03		Hazardous Material Code Qualifier I - Intergovernmental Maritime Organization (IMO) Code	M	ID	1/1	2	070	O	1	10	2	H1	H103	208	O ID	1/1

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
21-04		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 Tariff Publishing Officer; 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; U.S. Government Printing Office 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 Sales No: 200 89.10.E International Maritime Organization	M	AN	2/30	2	070	O	1	10	2	H1	H104	64	O AN	2/30
21-05		Hazardous Material Contact The first ten (10) spaces will be the phone number. Do not use hyphens or spaces in the telephone number. No 1-800 numbers. 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. CHANGE NOTE: User note modified per DM 744.	M	AN	1/24	2	070	O	1	10	2	H1	H105	63	O AN	1/24
21-06		Hazardous Materials Page SOURCE: International Maritime Dangerous Goods Code available from Intergovernment Maritime Consultants Organization (IMCO)	M	AN	1/6	2	070	O	1	10	2	H1	H106	200	O AN	1/6
21-07		Flashpoint Temperature	C	N0	1/3	2	070	O	1	10	2	H1	H107	77	C N0	1/3
21-08		Unit or Basis for Measurement Code CE - Centigrade, Celsius <i>Use 'CE' to denote Centigrade.</i> FA - Fahrenheit	C	ID	2/2	2	070	O	1	10	2	H1	H108	355	C ID	2/2
21-09		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	070	O	1	10	2	H1	H109	254	O ID	1/3

DoD INFORMATION				X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
22		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.	C	2	080	O	10	10	2	H1				
22-01		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 Tariff Publishing Officer; 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; U.S. Government Printing Office 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 Sales No: 200 89.10.E International Maritime Organization	M AN 2/9	2	080	O	10	10	2	H1	H201	64	M AN	2/30
22-02		Hazardous Material Classification ELEMENT CONDITION: Information in this element is a continuation from H104.	C AN 1/30	2	080	O	10	10	2	H1	H202	274	O AN	1/30
23		V1 SEGMENT - Vessel Identification	M	2	090	O	2	See X12 Standards for explanation of syntax notes. R0102C0801						
23-01		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	090	O	2				V101	597	C ID	1/8
23-02		Vessel Name SOURCE: Lloyd's Register of Shipping	M AN 2/28	2	090	O	2				V102	182	C AN	2/28
23-03		Country Code SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	M ID 2/3	2	090	O	2				V103	26	O ID	2/3
23-04		Voyage Number Enter the commercial voyage number.	M AN 2/10	2	090	O	2				V104	55	O AN	2/10

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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		
23-08		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	090	O	2			V108	897	O	ID	1/1
24		V9 SEGMENT - Spot Date SEGMENT CONDITION: Use when Spot Date applies.	C			2	100	O	10					See X12 Standards for explanation of syntax notes. P1011C1304C1509		
24-01		Event Code SPT - Spot Date	M	ID	3/3	2	100	O	10			V901	304	M	ID	3/3
24-03		Date Enter the spot date. CHANGE NOTE: Make element mandatory per DM 744.	M	DT	8/8	2	100	O	10			V903	373	O	DT	8/8
24-12		Free-Form Message Enter the number of containers to be spotted.	C	AN	1/30	2	100	O	10			V912	61	O	AN	1/30
25		V9 SEGMENT - Mileage SEGMENT CONDITION: Use when CONUS or OCONUS Mileage applies.	C			2	100	O	10					See X12 Standards for explanation of syntax notes. P1011C1304C1509		
25-01		DTOD Qualifier ZZZ - Mutually Defined <i>Use 'ZZZ' to denote Defense Table of Official Distances (DTOD).</i>	M	ID	3/3	2	100	O	10			V901	304	M	ID	3/3
25-02		Mileage Qualifier Enter value '1B' to designate overseas mileage or value 'SD' to denote CONUS Mileage.	M	AN	2/2	2	100	O	10			V902	106	O	AN	1/25
25-12		Mileage Enter appropriate mileage.	M	AN	1/30	2	100	O	10			V912	61	O	AN	1/30
26		K1 SEGMENT - Message SEGMENT CONDITION: Use to convey Free Form Text Message as required.	C			2	110	O	2							
26-01		Free-Form Message	M	AN	1/30	2	110	O	2			K101	61	M	AN	1/30

DoD INFORMATION					X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
26-02		Free-Form Message	C	AN	1/30	2	110	O	2			K102	61	O	AN 1/30
27		SE SEGMENT - Reservation (Booking Request) (Ocean) Trailer	M			3	010	M	1						
27-01		Number of Included Segments Total segments in this transaction set including the ST and SE segments.	M	N0	1/10	3	010	M	1			SE01	96	M	N0 1/10
27-02		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	010	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.*

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

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

555 - Preparation of Canadian Customs Invoice
*** Use '555' to denote Agricultural Clearance*
CHANGE NOTE: Code added per DM 1034.

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

A1M - Aggregate 1000
*** Use 'A1M' to denote Enhanced ITV - GEN II - Door*
CHANGE NOTE: code added per DM 1018.

A3M - Aggregate 3000
*** Use 'A3M' to denote Enhanced ITV - GEN II - Port*
CHANGE NOTE: code added per DM 1018.

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

AGG - Aggregate Tender Discount
*** Use 'AGG' to denote Live Load.*
CHANGE NOTE: Code added per DM 845.

APL - Appliance Servicing

ARR - Air Ride Tractor Service
*** Use 'ARR' to denote Port Arbitrary*
CHANGE NOTE: code added per DM 1018.

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*
CHANGE NOTE: code added per DM 1018.

BKA - Bulky Article
*** Use 'BKA' to denote Unusual Size 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.*
CHANGE NOTE: Code added per DM 845.

CA2 - Currency Adjustment - 20 Foot Container

CA4 - Currency Adjustment - 40 Foot Container

CCH - Certification
*** Use 'CCH' to denote Enhanced ITV - GEN I*
CHANGE NOTE: Code added per DM 845
CHANGE NOTE: Definition changed per DM 1018.

CFC - Customs Fees - Container Level
*** Use 'CFC' to denote Cargo Clearance Import*
CHANGE NOTE: Description changed per DM 1018.

CFL - Customs Fees - Lift Level

CGT - Cargo Taxes

CLN - Cleaning
*** Use 'CLN' to denote Rinsing*
CHANGE NOTE: code added per DM 1018.

COR - Certification That the Newsprint Winding Cores Being Returned Empty Were Received Filled by Rail Freight Service
*** Use 'COR' to denote Outer Routing - KUT*
CHANGE NOTE: code added per DM 1018.

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*
CHANGE NOTE: code added per DM 1018.

15-01 -- Special Handling Code (CONT)

Data Value - Definition

CTR - Circuitous Routing
*** Use 'CTR' to denote Outer Routing - Chaman*
CHANGE NOTE: code added per DM 1018.

DA - Dangerous

DDZ - Drayage at Port of Debarkation (Rate Zone)

DEZ - Drayage at Port of Embarkation (Rate Zone)

DFD - Keep From Freezing Percent Differential

DLR - Notify Shipper Immediately if Shipment is Delayed en Route
*** Use 'DLR' to denote Daily In-Transit Visibility*
CHANGE NOTE: code added per DM 1018.

DOV - Container Diversion

DPD - Drayage at Port of Debarkation

DPE - Drayage at Port of Embarkation

DR - Drop Yard
*** Use 'DR' to denote Drop and Pick Up*
CHANGE NOTE: code added per DM 1018.

DRU - Drumming Service
*** Use 'DRU' to denote Tarping at Origin*
CHANGE NOTE: code added per DM 1018.

DSR - Dromedary Service Requested
*** Use 'DSR' to denote Flatrack Tie-Down.*
CHANGE NOTE: Code added per DM 845.

EXD - Extra Driver
*** Use 'EXD' to denote Extra Driver.*
CHANGE NOTE: Code added per DM 845.

EXL - Extra Length Surcharge
*** Use 'EXL' to denote Container/Trailer Over-length Surcharge.*

EXQ - Expedited Service
*** Use 'EXQ' to denote Expediate Delivery*
CHANGE NOTE: code added per DM 1018.

EXU - Exclusive Use of Vehicle Damaged
*** Use 'EXU' to denote Cargo Handling Import*
CHANGE NOTE: code added per DM 1018.

EXZ - Expand Remove and Install
*** Use 'EXZ' to denote Cargo Clearance Export*
CHANGE NOTE: code added per DM 1018.

EZE - Roadway Easy Rates Applied
*** Use 'EZE' to denote Enhanced Physical Security.*
CHANGE NOTE: Code added per DM 845.

FAK - Barge Freight All Kinds Service

FFC - Fuel Filters Furnished by Carrier
*** Use 'FFC' to denote Security Convoy.*
CHANGE NOTE: Code added per DM 845.

FLS - Flatrack Surcharge

FR - Fragile - Handle with Care
*** Use 'FR' to denote Customs & Border Clearance Authority (CBCA) Handling Aqaba*
CHANGE NOTE: code added per DM 1032.

GI - Grain Inspection
*** Use 'GI' to denote Expedited Linehaul to POE.*
CHANGE NOTE: Code added per DM 845.

GMS - Garment Surcharge

GSS - Greater Security Service

HAN - Handling

HMA - Accessible Hazardous Material
*** Use 'HMA' to denote Railcar Inspection.*

HZC - Hazardous Materials Surcharge
*** Use 'HZC' to denote Ammunition Line Haul Service.*

HZD - Hazardous Cargo On Deck

IH - Icing Inhibitor Service
*** Use 'IHH' to denote Side-load Chassis*
CHANGE NOTE: Code added per DM 845.

KMD - Keep Material Dry
*** Use 'KMD' to denote Dry Container Trucking.*

LC2 - Land Currency Adjustment Factor - 20 Foot Container
*** Use 'LC2' to denote Interior Washing - Interior washing for vehicles on flat racks.*

15-01 -- Special Handling Code (CONT)

Data Value - Definition
LC4 - 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
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
MES - Escort ** Use 'MES' to denote Escort/Supercargo.
MP - Multiple Pickup ** Use 'MP' to denote Drop and Pick - Round Robin (Per booking)
CHANGE NOTE: code added per DM 1018.
NI - New Equipment First Transborder Movement ** Use 'NI' to denote Customs & Border Clearance Authority (CBCA) Handling Jebel Ali
CHANGE NOTE: code added per DM 1032.
OCN - Over Height Container
OCS - Completing Shipment ** Use 'OCS' to denote Requirement for a Complete Washing to Comply with USDA Regulations
CHANGE NOTE: code added per DM 1018.
OFU - Fumigation ** Use 'OFU' to denote Fumigation
CHANGE NOTE: code added per DM 1034.
OHC - Harmless ** Use 'OHC' to denote Overheight Surcharge Afghanistan
CHANGE NOTE: code added per DM 1018.
OOD - On Deck Stowage
OSB - Stow Below Deck
OTC - Temperature Control ** Use 'OTC' to denote Dual Temperature Reefer Service.
OVR - Overflow ** Use 'OVR' to denote Overweight 70000 For Break Bulk Only
CHANGE NOTE: code added per DM 1018.
OWC - Over Width Container
OWR - One Way Rates Applied ** Use 'OWR' to denote Overweight 44000 For Break Bulk Only
CHANGE NOTE: code added per DM 1018.
PRT - Stuffing Charge
PS - Product Protection Service
PTS - Protective Tarp For Security Purposes ** Use 'PTS' to denote Tarping at Destination
CHANGE NOTE: Description changed per DM 1018.
PUK - Pack and Unpack ** Use 'PUK' to denote Crating.
PVP - Private Owned Vehicle Processing
RDH - Railhead Handling
REP - Respotting
RFM - Reefer Maintenance
RPD - Reefer Cargo Percent Differential ** Use 'RPD' to denote Percentage Differential Accessorial for Refrigerated Cargo.
RRR - Round Trip Service ** Use 'RRR' to denote Genset Rental
CHANGE NOTE: code added per DM 1018.
SD - Subject to Special Detention Rules/Charges
SEC - 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 ** Use 'SER' to denote Service Charge Applies/Guam Fee for Fruits and Vegetables.
SFB - Single Factor Origination/Destination
SFD - Single Factor Origination/Port of Debarkation
SFE - Single Factor Port of Embarkation/Destination
SLC - Shipper Load and Count ** Use 'SLC' to denote Superload.
SOC - Stop-off ** Use 'SOC' to denote Intermediate Port Stop
CHANGE NOTE: code added per DM 1032.

15-01 -- Special Handling Code (CONT)

Data Value - Definition

SPC - Special Permit
**** Use 'SPC' to denote Small Arms Ammunition.**

SSC - Stripping, Sorting & Consolidation
**** Use 'SSC' to denote Stripping.**

SSU - Pole Lashing Equipment (PLE) Surcharge

STA - Conductivity/Anti-static Additive
**** Use 'STA' to denote Expedited Origin Linehaul (200 miles to 400 miles).**

STD - Stopoff at Destination
**** Use 'STD' to denote OCONUS Stop-off.**

STO - Stowage

STP - Stopoff at Origination
**** Use 'STP' to denote CONUS Stop-off.**

TER - Terminal Handling Charges

TRM - Termination
**** Use 'TRM' to denote Transloading Destination**

CHANGE NOTE: code added per DM 1018.

TRN - Transfer Product
**** Use 'TRN' to denote Transloading Origin**

CHANGE NOTE: code added per DM 1018.

TRS - Trade Show
**** Use 'TRS' to denote Expedited Origin Linehaul (401 miles to 599 miles).**

TT - Team Track Delivery
**** Use 'TT' to denote Expedited Origin Linehaul (base charge > 599 miles).**

TV - Time Volume Rates Only
**** Use 'TV' to denote Expedited Origin Linehaul (ad'll charge > 599 miles).**

VCL - Van Cleaning
**** Use 'VCL' to denote Wash-Clean-Purge-Certified.**

VIS - Vehicles Inoperable
**** Use 'VIS' to denote Vehicles Inoperable**

CHANGE NOTE: code added per DM 1018.

VSO - Stop Off Delivery of Personal Vehicles
**** Use 'VSO' to denote Veterinarian Inspectable**

CHANGE NOTE: code added per DM 1018.

WBB - Wharfage - Breakbulk

WCT - Wharfage - Container

WFG - Wharfage

WRB - War Risk Crew Bonus

WRI - War Risk Insurance

XP - 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
**** Use 'ZZZ' to denote Customs Services-Cargo Clearance.**

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
WHE - On Own Wheel
** Use 'WHE' to denote RORO.