



Department  
of  
Defense

DoD  
Transportation  
Electronic Business  
(DTEB) Convention

ASC X12 Transaction Set 219  
Logistics Service Request  
(Version 004010) – DTCI  
Transportation Service Request

VERSION 0

December 2011



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of  
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## Section 1.0

# INTRODUCTION

This implementation convention (IC) describes the standard or convention that Department of Defense shippers will use to generate requests for transportation services in support of the Defense Transportation Coordination Initiative (DTCI) program. The copyright on the ASC X12 standards is held by the Data Interchange Standards Association on behalf of ASC X12.

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

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

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

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

[Note: To access the publication, you must have an Information Tool Suite (ITS) account.]

## Who Needs to Use This Document

Computer programmers use this document to identify the data 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. It is presented in the standard publishing format prescribed by the Defense Information Systems Agency (DISA).
- Section 4.0, IC Element Matrix, identifies the application data elements trading partners need to exchange. This section can be used to map an existing application database into the transaction set.
- Section 5.0, when present, contains an example of the EDI transactions.
- Section 6.0, Application Code Lists, when present, identifies the DoD codes that trading partners need to exchange. This section augments the matrix presented in Section 4.0.

## 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	<b>Interchange ID Qualifier</b> 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	<b>Interchange Sender ID</b> 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	<b>Interchange ID Qualifier</b> 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	<b>Interchange Receiver ID</b> 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

<b>M</b>	<b>ISA09</b>	<b>I08</b>	<b>Interchange Date</b> Date of the interchange	<b>M DT 6/6</b>						
			<u>Date in YYMMDD format assigned by translation software</u>							
<b>M</b>	<b>ISA10</b>	<b>I09</b>	<b>Interchange Time</b> Time of the interchange	<b>M DT 4/4</b>						
			<u>Time in HHMM format assigned by translation software</u>							
<b>M</b>	<b>ISA11</b>	<b>I10</b>	<b>Interchange Control Standards</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer	<b>M ID 1/1</b>						
			<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>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									
<b>M</b>	<b>ISA12</b>	<b>I11</b>	<b>Interchange Control Version Number</b> This version number covers the interchange Control segments.	<b>M ID 5/5</b>						
			<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>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									
			<u>Version/release of control segment, as agreed upon by the trading partners</u>							
<b>M</b>	<b>ISA13</b>	<b>I12</b>	<b>Interchange Control Number</b> A control number assigned by the interchange sender	<b>M NO 9/9</b>						
			<u>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.</u>							
<b>M</b>	<b>ISA14</b>	<b>I13</b>	<b>Acknowledgment Requested</b> Code sent by the sender to request an interchange acknowledgment (TA1)	<b>M ID 1/1</b>						
			<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>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									
			<u>Send code agreed upon by trading partners.</u>							

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

Segment: **GS Functional Group Header**

Usage: **Mandatory**

Max Use: **1**

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

**DATA ELEMENT SUMMARY**

<b>Ref Des</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
<b>M GS01</b>	<b>479</b>	<b>Functional Identifier Code</b> Code identifying a group of application related transaction sets	<b>M ID 2/2</b>
<p>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).</p>			
<b>M GS02</b>	<b>142</b>	<b>Application Sender's Code</b> Code identifying party sending transmission; codes agreed to by trading partners	<b>M AN 2/15</b>
<p>Typically, a sender will use different codes here to uniquely identify each implementation convention (IC) for a particular transaction set. DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code assigned by DoD, which for increased security should differ from that used in ISA06.</p>			
<b>M GS03</b>	<b>124</b>	<b>Application Receiver's Code</b> Code to identify the type of information in the Security Information	<b>M AN 2/15</b>
<p>DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code assigned by DoD, which for increased security should differ from that used in ISA08</p>			

<b>M</b>	<b>GS04</b>	<b>373</b>	<b>Date</b> 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	<b>M DT 8/8</b>				
<b>M</b>	<b>GS05</b>	<b>337</b>	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM or HHMMSS, or HHMMSSD, or HHMMSSDD, where H – hours (00-23), M = minutes (00-59), S = integer seconds (00-59), and 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	<b>M TM 4/8</b>				
<b>M</b>	<b>GS06</b>	<b>28</b>	<b>Group Control Number</b> 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.	<b>M N0 1/9</b>				
<b>M</b>	<b>GS07</b>	<b>455</b>	<b>Responsible Agency Code</b> Code used in conjunction with Data Element 480 to identify the issuer of the standard.  <table border="0"> <tr> <td style="border-bottom: 1px solid black;"><b>Code</b></td> <td style="border-bottom: 1px solid black;"><b>Definition</b></td> </tr> <tr> <td>X</td> <td>Accredited Standards Committee X12</td> </tr> </table>	<b>Code</b>	<b>Definition</b>	X	Accredited Standards Committee X12	<b>M ID 1/1</b>
<b>Code</b>	<b>Definition</b>							
X	Accredited Standards Committee X12							
<b>M</b>	<b>GS08</b>	<b>480</b>	<b>Version / Release / Industry Identified Code</b> 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"> <tr> <td style="border-bottom: 1px solid black;"><b>Code</b></td> <td style="border-bottom: 1px solid black;"><b>Definition</b></td> </tr> <tr> <td>004010</td> <td>Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997</td> </tr> </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.	<b>Code</b>	<b>Definition</b>	004010	Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997	<b>M AN 6/6</b>
<b>Code</b>	<b>Definition</b>							
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	<b>97</b> <b>Number of Transaction Sets Included</b> Total number of segments included in a transaction set including ST and SE segments  Number assigned by translation software	M N0 1/6
M	GE02	<b>28</b> <b>Group Control Number</b> Assigned number originated and maintained by the sender  Number assigned by the translation software. This control number matches the control number that occurs in GS06.	M N0 1/9

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

DATA ELEMENT SUMMARY

	<b>Ref Des</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
M	IEA01	I16	<b>Number of Included Functional Groups</b> A count of the number of functional groups included in an interchange  Number calculated by translation software	M N0 1/6
M	IEA02	I12	<b>Interchange Control Number</b> 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 interpreting Transportation Service Request using the ASC X12.Transaction Set 219 Logistics Service Request (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 ASC 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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# 219 Logistics Service Request

Functional Group ID=**AB**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Logistics Service Request Transaction Set (219) for use within the context of an Electronic Data Interchange (EDI) environment. This set can be used by a shipper to transmit data to a logistics related organization to provide order detail relevant to upcoming transportation requirements.

## 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	B9	Beginning Segment for Logistics Services	M	1		
M	030	B9A	Service Request	M	7		
Not Used	040	L11	Business Instructions and Reference Number	O	99		
	050	MS3	Interline Information	O	99		
	060	ITA	Allowance, Charge or Service	O	20		
	070	NTE	Note/Special Instruction	O	10		
LOOP ID - 1000						99	
	080	N7	Equipment Details	O	1		
Not Used	090	N7A	Accessorial Equipment Details	O	1		
Not Used	100	N7B	Additional Equipment Details	O	1		
Not Used	110	MEA	Measurements	O	1		

## Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - 2000						99	
	010	S5	Stop-off Details	O	1		n1
Must Use	020	G62	Date/Time	O	2		
Not Used	030	L11	Business Instructions and Reference Number	O	99		
Not Used	040	ITA	Allowance, Charge or Service	O	20		
LOOP ID - 2100						1	
Must Use	050	N1	Name	O	1		
	060	N2	Additional Name Information	O	1		
Must Use	070	N3	Address Information	O	2		
Must Use	080	N4	Geographic Location	O	1		
	090	PER	Administrative Communications Contact	O	3		
LOOP ID - 2200						99	
Not Used	100	G61	Contact	O	1		n2
Not Used	110	L11	Business Instructions and Reference Number	O	10		
Not Used	120	LH6	Hazardous Certification	O	10		
LOOP ID - 2250						25	
Not Used	130	LH1	Hazardous Identification Information	O	1		
Not Used	140	LH2	Hazardous Classification Information	O	5		
Not Used	150	LH3	Hazardous Material Shipping Name	O	6		

Not Used	160	LFH	Freeform Hazardous Material Information	O	20	
Not Used	170	LEP	EPA Required Data	O	3	
Not Used	180	LH4	Canadian Dangerous Requirements	O	1	
Not Used	190	LHT	Transborder Hazardous Requirements	O	3	
LOOP ID - 2300					999	
Must Use	200	LX	Assigned Number	O	1	n3
Must Use	210	LCT	Logistics Container Tracking Information	O	1	
Not Used	220	MAN	Marks and Numbers	O	10	
Not Used	230	AT5	Bill of Lading Handling Requirements	O	6	
Not Used	240	AMT	Monetary Amount	O	1	
Not Used	250	CUR	Currency	O	1	
	260	L11	Business Instructions and Reference Number	O	10	
LOOP ID - 2350					99	
	270	G61	Contact	O	1	n4
Not Used	280	L11	Business Instructions and Reference Number	O	5	
Not Used	290	LH6	Hazardous Certification	O	6	
LOOP ID - 2355					25	
	300	LH1	Hazardous Identification Information	O	1	
	310	LH2	Hazardous Classification Information	O	4	
Not Used	320	LH3	Hazardous Material Shipping Name	O	10	
Not Used	330	LFH	Freeform Hazardous Material Information	O	20	
Not Used	340	LEP	EPA Required Data	O	3	
Not Used	350	LH4	Canadian Dangerous Requirements	O	1	
Not Used	360	LHT	Transborder Hazardous Requirements	O	3	
LOOP ID - 2370					999	
Not Used	370	LAD	Lading Detail	O	1	n5
Not Used	380	PO4	Item Physical Details	O	1	
Not Used	390	G69	Line Item Detail - Description	O	99	
Not Used	400	AT5	Bill of Lading Handling Requirements	O	6	
Not Used	410	AMT	Monetary Amount	O	1	
Not Used	420	CUR	Currency	O	1	
Not Used	430	L11	Business Instructions and Reference Number	O	10	
Not Used	440	PER	Administrative Communications Contact	O	1	
LOOP ID - 2375					99	
Not Used	450	G61	Contact	O	1	n6
Not Used	460	L11	Business Instructions and Reference Number	O	5	
Not Used	470	LH6	Hazardous Certification	O	6	
LOOP ID - 2378					25	
Not Used	480	LH1	Hazardous Identification Information	O	1	
Not Used	490	LH2	Hazardous Classification Information	O	4	
Not Used	500	LH3	Hazardous Material Shipping Name	O	10	
Not Used	510	LFH	Freeform Hazardous Material Information	O	20	
Not Used	520	LEP	EPA Required Data	O	3	
Not Used	530	LH4	Canadian Dangerous Requirements	O	1	
Not Used	540	LHT	Transborder Hazardous Requirements	O	3	

## 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	L3	Total Weight and Charges	M	1		
M	020	SE	Transaction Set Trailer	M	1		

## Transaction Set Notes

1. The 2000 Loop defines pickup or delivery information for an order.
2. The 2200 Loop provides hazardous information associated with an order or stop off.
3. The 2300 Loop provides details for tracking containers within an order.
4. The 2350 Loop provides hazardous information associated with container information.
5. The 2370 Loop provides item details.
6. The 2375 Loop provides hazardous information associated with item information.

**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 - DTCI Transportation Service Request Header  
 Use this implementation convention (IC) for Defense Transportation Coordination Initiative (DTCI) Transportation Service Request.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M		143	<b>Transaction Set Identifier Code</b>	M ID 3/3
			Code uniquely identifying a Transaction Set	
			[1-01] Transaction Set Identifier Code	
		219	Logistics Service Request	
			[1-01] Logistics Service Request	
M		329	<b>Transaction Set Control Number</b>	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:** **B9** Beginning Segment for Logistics Services  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of a logistics service transaction set  
**Syntax Notes:**  
**Semantic Notes:** 1 B901 is the logistics identification number.  
**Comments:**  
**Notes:** [2] B9 SEGMENT - Record Number/Purpose/Shipment Method

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M		<b>127</b>	<b>Reference Identification</b>	<b>M AN 1/30</b>
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			[2-01] Offer Record Number	
			Enter a unique logistics identification number assigned by the originator of this transaction set.	
M		<b>353</b>	<b>Transaction Set Purpose Code</b>	<b>M ID 2/2</b>
			Code identifying purpose of transaction set	
			[2-02] Transaction Set Purpose Code	
		00	Original	
			[2-02] Original	
			Use '00' to denote Original Offer	
		01	Cancellation	
			[2-02] Cancellation	
		04	Change	
			[2-02] Change	
		14	Advance Notification	
			[2-02] Advance Notification	
			Use '14' to denote Pre-Offer Notice (no X12 220 response required)	
>>		<b>146</b>	<b>Shipment Method of Payment</b>	<b>O ID 2/2</b>
			Code identifying payment terms for transportation charges	
			[2-03] Shipment Method of Payment	
		CC	Collect	
			[2-03] Collect	
		CD	Collect on Delivery	
			[2-03] Collect on Delivery	
		PP	Prepaid (by Seller)	
			[2-03] Prepaid (by Seller)	
		TP	Third Party Pay	
			[2-03] Third Party Pay	

**Segment:** **B9A** Service Request  
**Position:** 030  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 7  
**Purpose:** To identify the specified logistics services requested  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** [3] B9A SEGMENT - Service Request Code

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<u>Des.</u> B9A01	<u>Element</u> 1644 Service Request Code	M ID 2/2
		Code indicating the type of logistics service requested	
		[3-01] Service Request Code	
		CS Carrier Selection	
		[3-01] Carrier Selection	
		Use 'CS' to denote DTCI	

**Segment:** **MS3** Interline Information  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 99  
**Purpose:** To identify the interline carrier and relevant data  
**Syntax Notes:** 1 If MS305 is present, then MS303 is required.  
**Semantic Notes:** 1 MS301 is the Standard Carrier Alpha Code (SCAC) of the interline carrier.  
 2 MS303 is the city where the interline was performed.  
**Comments:**  
**Notes:**

[4] MS3 SEGMENT - INTERLINE INFORMATION  
 SEGMENT CONDITION: Use only when requesting transportation for a scheduled/dedicated truck move. Not used otherwise.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	MS301	140	Standard Carrier Alpha Code Standard Carrier Alpha Code [4-01] Standard Carrier Alpha Code Insert the SCAC of the carrier with whom the DTCI coordinator contracted for the scheduled/dedicated truck route. SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	M ID 2/4
M	MS302	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement [4-02] Routing Sequence Code B Origin/Delivery Carrier (Any Mode) [4-02] Origin/Delivery Carrier (Any Mode)	M ID 1/2
X	MS303	19	City Name	X AN 2/30
>>	MS304	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment [4-04] Transportation Method/Type Code L Contract Carrier [4-04] Contract Carrier Use 'L' to denote Scheduled/Dedicated Trucks	O ID 1/2
X	MS305	156	State or Province Code	O ID 2/2

<b>Segment:</b>	<b>ITA</b> Allowance, Charge or Service
<b>Position:</b>	060
<b>Loop:</b>	
<b>Level:</b>	Heading
<b>Usage:</b>	Optional
<b>Max Use:</b>	20
<b>Purpose:</b>	To specify allowances, charges, or services
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.</li> <li>2 If ITA08 is present, then ITA09 is required.</li> <li>3 If either ITA10 or ITA11 is present, then the other is required.</li> <li>4 If ITA15 is present, then ITA02 is required.</li> <li>5 If ITA17 is present, then ITA12 is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 ITA09 is the allowance or charge percent.</li> <li>2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.</li> <li>3 ITA12 is the quantity of free goods.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present.</li> <li>2 ITA02 identifies the source of the code value in ITA03 or ITA15.</li> <li>3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.</li> <li>4 ITA13 is used to clarify the allowance, charge, or service.</li> <li>5 ITA15 specifies the individual code list of the agency specified in ITA02.</li> <li>6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.</li> </ol>
<b>Notes:</b>	[5] ITA SEGMENT - Accessorial/Special Handling Request SEGMENT CONDITION: Use when accessorial services or special handling is requested. Not used for pre-offer notices.

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ITA01	248 Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified	
		[5-01] Accessorial/Special Handling Request Code	
		S Service	
		[5-01] Service	
X	ITA02	559 Agency Qualifier Code	X ID 2/2
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	ITA03	560 Special Services Code	X ID 2/10
		Refer to 004010 Data Element Dictionary for acceptable code values.	
M	ITA04	331 Allowance or Charge Method of Handling Code	M ID 2/2
		Code indicating method of handling for an allowance or charge	
		[5-04] Allowance or Charge Method of Handling Code	
		Use code value 'ZZ' to satisfy X12 syntax requirements.	
		CHANGE NOTE: Data element added to satisfy X12 requirements per DM 732.	
		ZZ Mutually Defined	
		[5-04] Mutually Defined	
X	ITA05	341 Allowance or Charge Number	O AN 1/16
X	ITA06	359 Allowance or Charge Rate	O R 1/15
X	ITA07	360 Allowance or Charge Total Amount	O N2 1/15
X	ITA08	378 Allowance/Charge Percent Qualifier	O ID 1/1
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	ITA09	332 Percent	X R 1/6
X	ITA10	380 Quantity	X R 1/15

X	ITA11	355	<b>Unit or Basis for Measurement Code</b> Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
X	ITA12	380	<b>Quantity</b>	X R 1/15
>>	ITA13	352	<b>Description</b> A free-form description to clarify the related data elements and their content [5-13] Accessorial/Special Handling Request Description Insert the projected accessorial services that may be required for the shipment unit.  CHANGE NOTE: Unused code values removed for TTC accessorial code tables in Section 6.0 per DM 739.	X AN 1/80
		045	New Code Added by IC [5-13] Advancing Charges	
		405	New Code Added by IC [5-13] (1) Fuel Surcharge (for Tailored Transportation Contract Traffic Shipments and Air Shipments) (2) Fuel Adjustment (for Motor Shipments)	
		520	New Code Added by IC [5-13] (1) Overdimensional (Air Shipments), (2) Overdimension Permit (Motor Shipments)	
		675	New Code Added by IC [5-13] (1) Signature and Tally Record Service (for Tailored Transportation Contract Traffic Shipments and Air Shipments), (2) Signature Tally (for Motor Shipments)	
		AAS	New Code Added by IC [5-13] (1) Attendants Accompanying (for Rail Shipments), (2) Attendants for Rail Shipments (for Tailored Transportation Contract Traffic Shipments)	
		AFN	New Code Added by IC [5-13] [Migration Code] Air Craft Furnished and Not Used	
		AIR	New Code Added by IC [5-13] [Migration Code] Air	
		ARG	New Code Added by IC [5-13] Rail Armed Guard Service	
		BLK	New Code Added by IC [5-13] Blocking and Bracing Charge	
		BUA	New Code Added by IC [5-13] Bunker Adjustment	
		CCS	New Code Added by IC [5-13] Carrier Caboose Charge	
		CFC	New Code Added by IC [5-13] Customs Fees - Container Level	
		CGC	New Code Added by IC [5-13] Carrier Guard Cars	
		CGR	New Code Added by IC [5-13] Government Caboose/Guard Cars Returned	
		CHN	New Code Added by IC [5-13] Chains and Binders	
		CIS	New Code Added by IC [5-13] (1) DoD Constant Surveillance Service (for Tailored Transportation Contract Traffic Shipments and for Air Shipments), (2) Constant Surveillance (for Motor Shipments)	

CSP	New Code Added by IC [5-13] Government Caboose Charge
CUF	New Code Added by IC [5-13] Currency Adjustment Factor
DDN	New Code Added by IC [5-13] (1) Dual Driver Protective Service with National Agency Check (for Air Shipments), (2) Dual Driver with National Agency Check (for Motor Shipments)
DDP	New Code Added by IC [5-13] (1) Dual Driver Protective Service (for Air Shipments), (2) Dual Driver (for Motor Shipments)
DEL	New Code Added by IC [5-13] Delivery Charge
DEM	New Code Added by IC [5-13] Demurrage
DEP	New Code Added by IC [5-13] (1) Detention: Vehicles with Power Units (for Tailored Transportation Contract Traffic Shipments), (2) Detention of Conveying Equipment and the Power Unit (for Motor Shipments)
DET	New Code Added by IC [5-13] (1) Detention: Vehicles Without Power Units (for Tailored Transportation Contract Traffic Shipments), (2) Detention of Conveying Equipment Excluding the Power Unit (for Motor Shipments)
ECR	New Code Added by IC [5-13] Escorts/Couriers
ECS	New Code Added by IC [5-13] Empty Cars Ordered but Not Used
ELS	New Code Added by IC [5-13] Extra Lights
EMT	New Code Added by IC [5-13] Empty Movement
ERS	New Code Added by IC [5-13] Empty Return
EVC	New Code Added by IC [5-13] [Migration Code] Excess Valuation per DM 285
EXC	New Code Added by IC [5-13] (1) Exclusive Use (for Rail Shipments), (2) Exclusive User of Vehicle (for Tailored Transportation Contract Traffic Shipments), (3) Exclusive Use Charge (for Motor Shipments)
EXD	New Code Added by IC [5-13] Extra Driver
EXP	New Code Added by IC [5-13] Expedited Service Charge
GSP	New Code Added by IC [5-13] Government Guard Car Charge
GSS	New Code Added by IC [5-13] Greater Security Service
HAZ	New Code Added by IC [5-13] [Migration Code] Hazardous Material
HHB	New Code Added by IC [5-13] [Migration Code] Handling freight not adjacent

	to vehicle
HOL	New Code Added by IC [5-13] Sunday or Holiday Pick-up or Delivery
HRS	New Code Added by IC [5-13] Heater or Refrigeration
IDC	New Code Added by IC [5-13] Idler Car Charge
IMP	New Code Added by IC [5-13] Impactographs
IMS	New Code Added by IC [5-13] Intermodal Shipment
LIE	New Code Added by IC [5-13] Cargo Liability of Carrier (Tailored Transportation Contract Traffic Shipments), (2) Liability of Carrier Charge (for Motor Shipments)
MEN	New Code Added by IC [5-13] Escort Service with Overnight Subsistence
MES	New Code Added by IC [5-13] Escort (standard)
MET	New Code Added by IC [5-13] Escort (telephones)
MNS	New Code Added by IC [5-13] Motor Surveillance (12-hour calls)
MVS	New Code Added by IC [5-13] Special Motor Surveillance Charge
PER	New Code Added by IC [5-13] Overweight Permit
PRL	New Code Added by IC [5-13] Prelodging
PSS	New Code Added by IC [5-13] (1) Protective Service Security (for Air Shipments), (2) Protective Security (without armed drivers) (for Motor Shipments)
PTS	New Code Added by IC [5-13] (1) Protective Tarping for Security Purposes (for Tailored Transportation Contract Traffic Shipments), (2) Protective Tarping (for Motor Shipments)
PUD	New Code Added by IC [5-13] (1) Pick-up and Delivery (for Rail Shipments), (2) Pick-up/Delivery o/t Normal Bus hours (for Tailored Transportation Contract Traffic Shipments), (3) Pick-up or Delivery Before or After Normal Business Hours (for Air Shipments)
PVB	New Code Added by IC [5-13] Bonded Privately Owned Vehicle Charge
RCC	New Code Added by IC [5-13] (1) Reconsignment/Diversions (for Tailored Transportation Contract Traffic Shipments and Motor Shipments) , (2) Reconsignment Charge (for Air Shipments)
RCL	New Code Added by IC [5-13] Redelivery
RIS	New Code Added by IC [5-13] [Migration Code] Rail Inspection Service

RLS	New Code Added by IC [5-13] Relocation of Vehicle
RMC	New Code Added by IC [5-13] Return of Empty Container Charge
RMP	New Code Added by IC [5-13] Return Movement of Pallet Charge
RSS	New Code Added by IC [5-13] Restricted Speeds
RSV	New Code Added by IC [5-13] Reservations
SAT	New Code Added by IC [5-13] (1) Saturday Pick-up Charge (for Rail Shipments), (2) Saturday Pick-up or Delivery Charge (for Tailored Transportation Contract Traffic Shipments and Motor Shipments), (3) Saturday Pickup or Delivery (for Air Shipments)
SDL	New Code Added by IC [5-13] Split Delivery
SEV	New Code Added by IC [5-13] (1) Security Escort Vehicle Vehicle (for Air Shipments), Security Escort Service (for Motor Shipments)
SFT	New Code Added by IC [5-13] Special Train Service
SNS	New Code Added by IC [5-13] Satellite Motor Surveillance
SOC	New Code Added by IC [5-13] Stop-off Charge
SPU	New Code Added by IC [5-13] Split Pickup
SRG	New Code Added by IC [5-13] Storage
SRS	New Code Added by IC [5-13] Surveying Routes
SSR	New Code Added by IC [5-13] [Migration Code] Surveying Routes
SVS	New Code Added by IC [5-13] Storage of Vehicles
TMV	New Code Added by IC [5-13] Tendering of Multiple Vehicles
TOW	New Code Added by IC [5-13] [Migration Code] Motor Towaway Service
TPA	New Code Added by IC [5-13] [Migration Code] Carrier Equipment Pool Charge
TPS	New Code Added by IC [5-13] Third-Party Service
URC	New Code Added by IC [5-13] (1) Loading/Unloading (for Rail Shipments and Motor Shipments), (2) Loading/Unloading by Motor Carriers (for Tailored Transportation Contract Traffic Shipments)
VFN	New Code Added by IC

			VIS	[5-13] Vehicles Furnished But Not Used New Code Added by IC	
			VTS	[5-13] Vehicles Inoperable New Code Added by IC	
			WTG	[5-13] Vehicles in Truckaway New Code Added by IC	
			WTV	[5-13] [Migration Code] Waiting Time New Code Added by IC	
				[5-13] Weight Verification Charge	
X	ITA14	150	<b>Special Charge or Allowance Code</b>		X ID 3/3
				Refer to 004010 Data Element Dictionary for acceptable code values.	
X	ITA15	822	<b>Source Subqualifier</b>		O AN 1/15
X	ITA16	662	<b>Relationship Code</b>		O ID 1/1
				Refer to 004010 Data Element Dictionary for acceptable code values.	
X	ITA17	355	<b>Unit or Basis for Measurement Code</b>		O ID 2/2
				Refer to 004010 Data Element Dictionary for acceptable code values.	

**Segment:** **NTE** Note/Special Instruction  
**Position:** 070  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To transmit information in a free-form format, if necessary, for comment or special instruction

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

**Notes:** [6] NTE SEGMENT - Number of Vehicles Requested  
 Not used for pre-offer notices. If requesting more than 99 vehicles, use a separate 219.  
 SEGMENT CONDITION: Use when requesting truckload moves and the shipper knows the number trucks required for the move.  
 [7] NTE SEGMENT - Note/Special Instruction  
 SEGMENT CONDITION: Use this segment to report additional free-form special instructions/requests to the DTCI coordinator, such as more detailed information on pickup location, appointment requirements, and other ancillary detail not provided elsewhere in the transaction. If needed, this special instructions segment may be used up to nine times.

**Data Element Summary**

Ref.	Data Element	Name	Attributes
>>	NTE01	363 Note Reference Code	O ID 3/3
		Code identifying the functional area or purpose for which the note applies	
		[6-01] Number of Vehicles Requested Qualifier	
		[7-01] Note Reference Code	
		ADD Additional Information	
		[7-01] Additional Information	
		EED Equipment Description	
		[6-01] Equipment Description	
		Use 'EED' to denote Number of Vehicles Requested	
M	NTE02	352 Description	M AN 1/80
		A free-form description to clarify the related data elements and their content	
		[6-02] Number of Vehicles Requested	
		Enter numeric value of the number of vehicles being requested. Not used for pre-offer notices.	
		ELEMENT CONDITION: Not used for pre-offer notices.	
		[7-02] Note/Special Instruction	
		Enter free-form text for additional/special instructions to the DTCI coordinator.	

**Segment:** **N7** **Equipment Details**  
**Position:** 080  
**Loop:** 1000      Optional  
**Level:** Heading  
**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:** [8] N7 SEGMENT - Equipment Used/Requested  
SEGMENT CONDITION: Use this segment when 1) directly loading a pooled trailer at the shipper's location, 2 ) if requesting special equipment (low-boy, air cushioned, flatbed, etc.) from the coordinator, or 3) if offering a government owned or leased railcar to the coordinator. Not used for pre-offer notices.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N701	206	<b>Equipment Initial</b> Prefix or alphabetic part of an equipment unit's identifying number [8-01] Equipment Initials If directly loading a pooled trailer, enter the SCAC of the carrier that owns the equipment. Otherwise, enter value '0'. SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association	O AN 1/4
M	N702	207	<b>Equipment Number</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) [8-02] Equipment Number If directly loading a pooled trailer, enter the serial number of the equipment. Otherwise, enter value '0' to satisfy X12 syntax requirements.	M AN 1/10
	N703	81	<b>Weight</b> Numeric value of weight [8-03] Equipment Weight Capacity Express in 1000 lb units. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	X R 1/10
	N704	187	<b>Weight Qualifier</b> Code defining the type of weight [8-04] Weight Qualifier ELEMENT CONDITION: Required if N703 is used. N Actual Net Weight [8-04] Actual Net Weight	X ID 1/2
X	N705	167	<b>Tare Weight</b>	X N0 3/8
X	N706	232	<b>Weight Allowance</b>	O N0 2/6
X	N707	205	<b>Dunnage</b>	O N0 1/6
	N708	183	<b>Volume</b> Value of volumetric measure [8-08] Equipment Cube	X R 1/8
	N709	184	<b>Volume Unit Qualifier</b> Code identifying the volume unit [8-09] Equipment Cube Qualifier ELEMENT CONDITION: Required if N708 is used.	X ID 1/1

			E	Cubic Feet	
				[8-09] Cubic Feet	
X	N710	102	<b>Ownership Code</b>		O ID 1/1
				Refer to 004010 Data Element Dictionary for acceptable code values.	
X	N711	40	<b>Equipment Description Code</b>		O ID 2/2
				Refer to 004010 Data Element Dictionary for acceptable code values.	
X	N712	140	<b>Standard Carrier Alpha Code</b>		O ID 2/4
	N713	319	<b>Temperature Control</b>		O AN 3/6
				Free-form abbreviation of temperature range or flash-point temperature	
				[8-13] Temperature Control	
				Use to specify temperature setting for reefer shipments. If necessary, indicate minimum and maximum temperature (e.g., -10+30.). Report all temperatures in Fahrenheit.	
X	N714	219	<b>Position</b>		O AN 1/3
	N715	567	<b>Equipment Length</b>		O N0 4/5
				Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	
				[8-15] Equipment Length	
				Report in FFFII format.	
X	N716	571	<b>Tare Qualifier Code</b>		X ID 1/1
				Refer to 004010 Data Element Dictionary for acceptable code values.	
X	N717	188	<b>Weight Unit Code</b>		O ID 1/1
				Refer to 004010 Data Element Dictionary for acceptable code values.	
X	N718	761	<b>Equipment Number Check Digit</b>		O N0 1/1
X	N719	56	<b>Type of Service Code</b>		O ID 2/2
				Refer to 004010 Data Element Dictionary for acceptable code values.	
X	N720	65	<b>Height</b>		O R 1/8
X	N721	189	<b>Width</b>		O R 1/8
>>	N722	24	<b>Equipment Type</b>		O ID 4/4
				Code identifying equipment type	
				[8-22] Equipment Type	
				Enter code to identify the equipment type. Use DoD equipment codes. Left justify the code and fill to the right with the lower case 'x' until a length of four characters is attained.	
			8X	New Code Added by IC	
				[8-22] Pipeline	
			A10	New Code Added by IC	
				[8-22] 410 Dromedary, 102" L x 75" H x 92" W, 410 cubic feet	
			A11	New Code Added by IC	
				[8-22] Van, air ride, 45 ft or 48 ft, padded, equipped with electric hydraulic powered crane loading unloading system or hydraulic powered	
			A16	New Code Added by IC	
				[8-22] Special Dromedary with MRO	
			A20	New Code Added by IC	
				[8-22] Motor vehicle transport trailer	
			A30	New Code Added by IC	
				[8-22] Removable gooseneck	
			A40	New Code Added by IC	
				[8-22] Flat bed trailer, hot shot, 40 ft and over	
			A5	New Code Added by IC	
				[8-22] Tractor, air ride	

A50	New Code Added by IC [8-22] Van, closed, padded/logistics type, freight only, w/air ride suspension, 40 ft and over
A6	New Code Added by IC [8-22] Tractor, other than air ride
A7	New Code Added by IC [8-22] Flat bed, 30 feet and less, hooked in tandem as one unit
A8	New Code Added by IC [8-22] Van, air ride, w/temperature and humidity control
A9	New Code Added by IC [8-22] Van, closed, padded, w/air ride suspension 2nd & 3rd proviso only
AA1	New Code Added by IC [8-22] Van, closed air ride, 30 ft and less
AA2	New Code Added by IC [8-22] Van, closed air ride, 31-40 ft
AA3	New Code Added by IC [8-22] Van, closed air ride, over 40 ft
AB0	New Code Added by IC [8-22] Lowboy, level deck, 10 axles and over
AB2	New Code Added by IC [8-22] Lowboy, level deck, 2 axles
AB3	New Code Added by IC [8-22] Lowboy, level deck, 3 axles
AB4	New Code Added by IC [8-22] Lowboy, level deck, 4 axles
AB5	New Code Added by IC [8-22] Lowboy, level deck, 5 axles
AB6	New Code Added by IC [8-22] Lowboy, double drop, air ride, w/outriggers, 3 axles
AB7	New Code Added by IC [8-22] Lowboy, level deck, 7 axles
AB9	New Code Added by IC [8-22] Lowboy, level deck, 9 axles
AC2	New Code Added by IC [8-22] Expandable low bed trailer, 2 axles
AC3	New Code Added by IC [8-22] Expandable low bed trailer, 3 axles
AC4	New Code Added by IC [8-22] Expandable low bed trailer, 4 axles
AD	New Code Added by IC [8-22] Regular Dromedary
AD6	New Code Added by IC [8-22] Dromedary with Mechanical Restraining Device (MRD)
AE0	New Code Added by IC [8-22] Lowboy, double drop, 10 axles and over
AE2	New Code Added by IC [8-22] Lowboy, double drop, 2 axles
AE3	New Code Added by IC [8-22] Lowboy, double drop, 3 axles

AE4	New Code Added by IC [8-22] Lowboy, double drop, 4 axles
AE5	New Code Added by IC [8-22] Lowboy, double drop, 5 axles
AE6	New Code Added by IC [8-22] Lowboy, double drop, w/outriggers, 3 axles
AE7	New Code Added by IC [8-22] Lowboy, double drop, 7 axles
AE9	New Code Added by IC [8-22] Lowboy, double drop, 9 axles
AF1	New Code Added by IC [8-22] Flat bed, 30 ft and less
AF2	New Code Added by IC [8-22] Flat bed, 31-40 ft
AF3	New Code Added by IC [8-22] Flat bed, over 40 ft
AG1	New Code Added by IC [8-22] Van, open, 30 ft and less
AG2	New Code Added by IC [8-22] Van, open, 31-40 ft
AG3	New Code Added by IC [8-22] Van, open, over 40 ft
AG4	New Code Added by IC [8-22] Tautliner Van w/Tarps, 30' or less
AG5	New Code Added by IC [8-22] Tautliner Van w/Tarps, 31' to 40'
AG6	New Code Added by IC [8-22] Tautliner Van w/Tarps, over 40'
AH2	New Code Added by IC [8-22] Drop frame trailer, drop/step deck, 2 axles
AH3	New Code Added by IC [8-22] Drop frame trailer, drop/step deck, 3 axles
AI2	New Code Added by IC [8-22] Drop frame trailer, drop/step deck, air ride, 2 axles
AI3	New Code Added by IC [8-22] Drop frame trailer, drop/step deck, air ride, 3 axles
AJ0	New Code Added by IC [8-22] Lowboy, level deck, air ride, 10 axles and over
AJ2	New Code Added by IC [8-22] Lowboy, level deck, air ride, 2 axles
AJ3	New Code Added by IC [8-22] Lowboy, level deck, air ride, 3 axles
AJ4	New Code Added by IC [8-22] Lowboy, level deck, air ride, 4 axles
AJ5	New Code Added by IC [8-22] Lowboy, level deck, air ride, 5 axles
AJ6	New Code Added by IC [8-22] Lowboy, level deck, air ride, w/outriggers, 3 axles
AJ7	New Code Added by IC

AJ9	[8-22] Lowboy, level deck, air ride, 7 axles New Code Added by IC
AK	[8-22] Lowboy, level deck, air ride, 9 axles New Code Added by IC
AL2	[8-22] Van, refrigerated, perishable food New Code Added by IC
AL3	[8-22] Extendable flat bed trailer, 2 axles New Code Added by IC
AL4	[8-22] Extendable flat bed trailer, 3 axles New Code Added by IC
AM0	[8-22] Extendable flat bed trailer, 4 axles New Code Added by IC
AM2	[8-22] Lowboy, double drop, air ride, 10 axles and over New Code Added by IC
AM3	[8-22] Lowboy, double drop, air ride, 2 axles New Code Added by IC
AM4	[8-22] Lowboy, double drop, air ride, 3 axles New Code Added by IC
AM5	[8-22] Lowboy, double drop, air ride, 4 axles New Code Added by IC
AM6	[8-22] Lowboy, double drop, air ride, 5 axles New Code Added by IC
AM7	[8-22] Lowboy, double drop, air ride, w/outriggers, 3 axles New Code Added by IC
AM9	[8-22] Lowboy, double drop, air ride, 7 axles New Code Added by IC
AN	[8-22] Lowboy, double drop, air ride, 9 axles New Code Added by IC
AO	[8-22] Adjustable tilt bed trailer New Code Added by IC
AO1	[8-22] Driveaway/Truckaway New Code Added by IC
AO2	[8-22] Straight truck, enclosed van, air ride, 12 ft, 5,000 lb, maximum cargo capacity New Code Added by IC
AO3	[8-22] Straight truck, enclosed van, air ride, 20 ft, 13,000 lb, maximum cargo capacity New Code Added by IC
AO4	[8-22] Straight truck, enclosed van, air ride, 12 ft, 5,000 lb, maximum cargo capacity New Code Added by IC
AO5	[8-22] Straight truck, enclosed van, air ride, 20 ft, 13,000 lb, maximum cargo capacity New Code Added by IC
AO6	[8-22] Straight truck, enclosed van, 20 ft, 13,000 lb, maximum cargo capacity, padded/logistics type, w/ air ride suspension New Code Added by IC
AO7	[8-22] Pickup truck, with cap, 18 ft. long, 500 lbs maximum cargo capacity New Code Added by IC
	[8-22] Econo van, 17 ft long, 2,000 lbs maximum cargo capacity

AO8	New Code Added by IC [8-22] Dump trailer, 28 ft long, 2 axle, hydraulic powered lift
AP	New Code Added by IC [8-22] Aft steering unit
AR	New Code Added by IC [8-22] Van, refrigerated, other
AS	New Code Added by IC [8-22] Livestock transporter
AT1	New Code Added by IC [8-22] Tank, 5001-8000 gallons
AT2	New Code Added by IC [8-22] Tank, over 8000 gallons
AU	New Code Added by IC [8-22] Container, shipper owned, environmental, temperature and humidity controlled
AV1	New Code Added by IC [8-22] Van, closed, 30 ft and less
AV2	New Code Added by IC [8-22] Van, closed, 31-40 ft
AV3	New Code Added by IC [8-22] Van, closed, over 40 ft
AV4	New Code Added by IC [8-22] Van, closed, Rollerbed, 40 ft, fixed rollers
AV5	New Code Added by IC [8-22] Van, closed, Rollerbed, 40 ft, retractable rollers
AV6	New Code Added by IC [8-22] Van, closed, Rollerbed, 45 ft and over, fixed rollers
AV7	New Code Added by IC [8-22] Van, closed, Rollerbed, 45 ft and over, retractable rollers
AV8	New Code Added by IC [8-22] Van, closed, 45 to 48 ft, 12' 4" high
AX	New Code Added by IC [8-22] Flat bed, all lengths (twist lock)
AY1	New Code Added by IC [8-22] Van, closed, 30 ft and less, double type single unit
AY2	New Code Added by IC [8-22] Van, closed, 30 ft and less, hooked in tandem as one unit
AZ1	New Code Added by IC [8-22] Flat bed, air ride, 30 ft and less
AZ2	New Code Added by IC [8-22] Flat bed, air ride, 31-40 ft
AZ3	New Code Added by IC [8-22] Flat bed, air ride, over 40 ft
EE	New Code Added by IC [8-22] Bus
KA	New Code Added by IC [8-22] Box, automobile
KB1	New Code Added by IC

	[8-22] Flat, bilevel, not enclosed
KB2	New Code Added by IC
	[8-22] Flat, bilevel, enclosed
KC	New Code Added by IC
	[8-22] Box, nuclear waste, DODX w/racks permanently affixed
KD	New Code Added by IC
	[8-22] Gondola, drop ends
KE	New Code Added by IC
	[8-22] Box, end door
KF1	New Code Added by IC
	[8-22] Flat, any other type, not over 70'
KF2	New Code Added by IC
	[8-22] Flat, any other type, over 70' but not over 90'
KG1	New Code Added by IC
	[8-22] Gondola, any other type, 52' hi capacity
KG2	New Code Added by IC
	[8-22] Gondola, any other type, 65' hi capacity
KH1	New Code Added by IC
	[8-22] Hopper open-top, 80 tons and less
KH2	New Code Added by IC
	[8-22] Hopper open-top, 100 tons, 2000 cubic feet
KH3	New Code Added by IC
	[8-22] Hopper, closed-top, 70 tons, 2000 cubic feet
KH4	New Code Added by IC
	[8-22] Hopper, closed top, 100 tons, 2929 cubic feet
KH5	New Code Added by IC
	[8-22] Hopper, closed-top, 100 tons, 4000 cubic feet
KH6	New Code Added by IC
	[8-22] Hopper, closed-top, 100 tons, 4600 cubic feet
KK1	New Code Added by IC
	[8-22] Refrigerator, perishable foods, not over 53' mechanical
KK2	New Code Added by IC
	[8-22] Refrigerator, perishable foods, over 53', but not over 61 mechanical
KL1	New Code Added by IC
	[8-22] Flat, trilevel, not enclosed
KL2	New Code Added by IC
	[8-22] Flat, trilevel, enclosed
KO1	New Code Added by IC
	[8-22] Box, any other type, not over 52' 6"
KO2	New Code Added by IC
	[8-22] Box, any other type, over 52' 6", but not over 60' 9"
KO3	New Code Added by IC
	[8-22] Box, any other type, over 60' 9"
KP	New Code Added by IC
	[8-22] Box, damage prevention type
KR1	New Code Added by IC
	[8-22] Refrigerator, any other type, not over 53' mechanical
KR2	New Code Added by IC

	[8-22] Refrigerator, any other type, over 53', but not over 65' mechanical
KS	New Code Added by IC
	[8-22] Stock
KT1	New Code Added by IC
	[8-22] Tank, 10,000 gallons
KT2	New Code Added by IC
	[8-22] Tank, 20,000 gallons
KT3	New Code Added by IC
	[8-22] Tank, 30,000 gallons
KU	New Code Added by IC
	[8-22] Caboose, DODX armed guard
KW1	New Code Added by IC
	[8-22] TOFC car
KW2	New Code Added by IC
	[8-22] COFC car
KX	New Code Added by IC
	[8-22] Box, missile, DODX w/refrigeration
KY	New Code Added by IC
	[8-22] Flat, heavy duty
KZ1	New Code Added by IC
	[8-22] Flat, DODX, not over 60'
KZ2	New Code Added by IC
	[8-22] Flat, DODX, over 60'
KZ3	New Code Added by IC
	[8-22] Locomotive under own power, on own wheels
KZ4	New Code Added by IC
	[8-22] Locomotive not under own power, on own wheels
KZ5	New Code Added by IC
	[8-22] Locomotive not under own power, not on own wheels
MF	New Code Added by IC
	[8-22] Freight Forwarder (Surface)
QA1	New Code Added by IC
	[8-22] Non milvan, 20 feet and less
QA2	New Code Added by IC
	[8-22] Non milvan, 24 feet
QA3	New Code Added by IC
	[8-22] Non milvan, 27 feet
QA4	New Code Added by IC
	[8-22] Non milvan, 35 feet
QA5	New Code Added by IC
	[8-22] Non milvan, 40 feet
QA6	New Code Added by IC
	[8-22] Non milvan, 45 feet and over
QM	New Code Added by IC
	[8-22] MILVAN
QQ	New Code Added by IC
	[8-22] Freight (Other than Freight Forwarder)
QU	New Code Added by IC
	[8-22] Taxi

SS	New Code Added by IC
	[8-22] Charter
TT	New Code Added by IC
	[8-22] Freight Forwarder
WA	New Code Added by IC
	[8-22] Steamship
WE	New Code Added by IC
	[8-22] Covered barge
WG	New Code Added by IC
	[8-22] Cylinder tank barge
WI	New Code Added by IC
	[8-22] Flush deck oil barge
WK	New Code Added by IC
	[8-22] Liquid covered barge
WM	New Code Added by IC
	[8-22] Open barge
WP	New Code Added by IC
	[8-22] Special auto barge

<b>X</b>	<b>N723</b>	<b>140</b>	<b>Standard Carrier Alpha Code</b>	<b>O</b>	<b>ID 2/4</b>
<b>X</b>	<b>N724</b>	<b>301</b>	<b>Car Type Code</b>	<b>O</b>	<b>ID 1/4</b>

**Segment:** **S5** Stop-off Details  
**Position:** 010  
**Loop:** 2000 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify stop-off detail reference numbers and stop reason  
**Syntax Notes:**

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

**Semantic Notes:**

- 1 S509 is the stop reason description.

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

[9] S5 SEGMENT - Pick-up Location  
 LOOP CONDITION: Mandatory for EDI 219A transactions that are an original, change, or pre-offer (B902='00', '04', or '14' respectively). The S5 loop is not required for cancellations of the entire 219A (B902='01'). This S5 loop describes shipment pickup information and pickup location.  
 [23] S5 SEGMENT - Delivery Location Loop  
 LOOP CONDITION: This S5 loop describes shipment delivery information and delivery location. It may be repeated if shipment units are delivered to multiple locations.

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	S501	165	<b>Stop Sequence Number</b>	M N0 1/3
			Identifying number for the specific stop and the sequence in which the stop is to be performed	
			[9-01] Stop Sequence Number	
			Enter value one (1) and increment by one for each successive S5 segment.	
			[23-01] Stop Sequence Number	
			Per usage note in previous S5 segment, enter value two (2) and increment by one for each successive S5 segment.	
M	S502	163	<b>Stop Reason Code</b>	M ID 2/2
			Code specifying the reason for the stop	
			[9-02] Stop Reason Code	
			[23-02] Stop Reason Code	
			LD Load	
			[9-02] Load	
			UL Unload	
			[23-02] Unload	
X	S503	81	<b>Weight</b>	X R 1/10
X	S504	188	<b>Weight Unit Code</b>	X ID 1/1
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	S505	382	<b>Number of Units Shipped</b>	X R 1/10
X	S506	355	<b>Unit or Basis for Measurement Code</b>	X ID 2/2
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	S507	183	<b>Volume</b>	X R 1/8
X	S508	184	<b>Volume Unit Qualifier</b>	X ID 1/1
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	S509	352	<b>Description</b>	O AN 1/80
X	S510	154	<b>Standard Point Location Code</b>	O ID 6/9
X	S511	190	<b>Accomplish Code</b>	O ID 1/1
			Refer to 004010 Data Element Dictionary for acceptable code values.	

**Segment:** **G62** Date/Time  
**Position:** 020  
**Loop:** 2000 Optional  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 2  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**

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

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

**Notes:** [10] G62 SEGMENT - Requested Pick-up Date  
 [24] G62 SEGMENT - Mandatory Delivery Date

**Data Element Summary**

Ref.	Data Element	Name	Attributes
>>	<b>G6201</b>	<b>432 Date Qualifier</b>	<b>X ID 2/2</b>
		Code specifying type of date	
		[10-01] Requested Pick-up Date Qualifier	
		[24-01] Mandatory Delivery Date Qualifier	
		CHANGE NOTE: Code value changed to '67' per DM 637.	
		10 Requested Ship Date/Pick-up Date	
		[10-01] Requested Ship Date/Pick-up Date	
		Use '10' to denote Requested Pick-up Date	
		67 Delivered By This Date	
		[24-01] Delivered By This Date	
		Use '67' to denote Mandatory Delivery Date (MDD)	
>>	<b>G6202</b>	<b>373 Date</b>	<b>X DT 8/8</b>
		Date expressed as CCYYMMDD	
		[10-02] Requested Pick-up Date	
		Format is CCYYMMDD.	
		[24-02] Mandatory Delivery Date	
		Format is CCYYMMDD.	
	<b>G6203</b>	<b>176 Time Qualifier</b>	<b>X ID 1/2</b>
		Code specifying the reported time	
		[10-03] Time Qualifier	
		ELEMENT CONDITION: If available, data must be sent	
		[24-03] Time Qualifier	
		ELEMENT CONDITION: Required if G6204 is used.	
		G Earliest Requested Deliver Time	
		[24-03] Earliest Requested Deliver Time	
		I Earliest Requested Pick Up Time	
		[10-03] Earliest Requested Pick Up Time	
		K Latest Requested Pick Up Time	
		[10-03] Latest Requested Pick Up Time	
		L Latest Requested Delivery Time	
		[24-03] Latest Requested Delivery Time	
		U Scheduled Pick Up Time	
		[10-03] Scheduled Pick Up Time	
		X Scheduled Delivery Time	
		[24-03] Scheduled Delivery Time	
	<b>G6204</b>	<b>337 Time</b>	<b>X TM 4/8</b>
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes	

(00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

[10-04] Requested Pick-up Time  
Format is 'HHMM'.  
[24-04] Time  
Format = "HHMM"

CHANGE NOTE: Data Element name changed per DM 737.

**G6205**

**623**

**Time Code**

**O ID 2/2**

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

[10-05] Time Code

ELEMENT CONDITION: Required if G6204 is present.

SOURCE: ISO 8601 available from American National Standards Institute

[24-05] Time Code

CHANGE NOTE: User note corrected per DM 733.

ELEMENT CONDITION: Required if G6204 is used.

SOURCE: ISO 8601 available from American National Standards Institute

LT

Local Time

[10-05] Local Time

[24-05] Local Time

UT

Universal Time Coordinate

[10-05] Universal Time Coordinate

[24-05] Universal Time Coordinate

**Segment:** **N1** Name  
**Position:** 050  
**Loop:** 2100 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
 2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
 2 N105 and N106 further define the type of entity in N101.  
**Notes:** [11] N1 SEGMENT - Origin (SF) Data  
 [25] N1 SEGMENT - Ship-to (ST)

**Data Element Summary**

Ref.	Data Element	Name	Attributes
M	<b>N101</b>	<b>98 Entity Identifier Code</b>	<b>M ID 2/3</b>
		Code identifying an organizational entity, a physical location, property or an individual	
		[11-01] Origin Name Qualifier	
		[25-01] Ship-to (ST) Name Qualifier	
		SF Ship From	
		[11-01] Ship From	
		ST Ship To	
		[25-01] Ship To	
>>	<b>N102</b>	<b>93 Name</b>	<b>X AN 1/60</b>
		Free-form name	
		[11-02] Origin Name	
		[25-02] Ship-to (ST) Name	
>>	<b>N103</b>	<b>66 Identification Code Qualifier</b>	<b>X ID 1/2</b>
		Code designating the system/method of code structure used for Identification Code (67)	
		[11-03] DoDAAC/CAGE Qualifier	
		[25-03] DoDAAC/CAGE Qualifier	
		10 Department of Defense Activity Address Code (DODAAC)	
		[11-03] Department of Defense Activity Address Code (DODAAC)	
		[25-03] Department of Defense Activity Address Code (DODAAC)	
		33 Commercial and Government Entity (CAGE)	
		[11-03] Commercial and Government Entity (CAGE)	
		[25-03] Commercial and Government Entity (CAGE)	
>>	<b>N104</b>	<b>67 Identification Code</b>	<b>X AN 2/80</b>
		Code identifying a party or other code	
		[11-04] Origin DoDAAC/CAGE	
		[25-04] Ship-to (ST) Identification Code	
X	<b>N105</b>	<b>706 Entity Relationship Code</b>	<b>O ID 2/2</b>
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	<b>N106</b>	<b>98 Entity Identifier Code</b>	<b>O ID 2/3</b>
		Refer to 004010 Data Element Dictionary for acceptable code values.	

**Segment:** **N2** Additional Name Information  
**Position:** 060  
**Loop:** 2100 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify additional names or those longer than 35 characters in length  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

[12] N2 SEGMENT - Additional Origin Name  
 SEGMENT CONDITION: Use if additional origin name applies.  
 [26] N2 SEGMENT - Additional Ship-to (ST) Name  
 SEGMENT CONDITION: Use when Additional Ship-to Name applies.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N201	93	Name	M AN 1/60
			Free-form name	
			[12-01] Additional Origin Name	
			[26-01] Additional Ship-to (ST) Name	
X	N202	93	Name	O AN 1/60

**Segment:** N3 Address Information  
**Position:** 070  
**Loop:** 2100 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** [13] N3 SEGMENT - Origin (SF) Street Address  
 [27] N3 SEGMENT - Ship-to (ST) Street Address

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information [13-01] Origin Street Address [27-01] Ship-to (ST) Street Address	M AN 1/55
X	N302	166	Address Information	O AN 1/55

**Segment:** **N4 Geographic Location**  
**Position:** 080  
**Loop:** 2100 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**Comments:** 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.  
2 N402 is required only if city name (N401) is in the U.S. or Canada.  
**Notes:** [14] N4 SEGMENT - Origin (SF) City Name and State/ZIP Codes  
[28] N4 SEGMENT - Ship-to (ST) City Name and State/ZIP Codes

#### Data Element Summary

Ref.	Data Element	Name	Attributes
>>	<b>N401</b>	<b>19 City Name</b>	<b>O AN 2/30</b>
		Free-form text for city name	
		[14-01] Origin City Name	
		[28-01] Ship-to (ST) City Name	
>>	<b>N402</b>	<b>156 State or Province Code</b>	<b>O ID 2/2</b>
		Code (Standard State/Province) as defined by appropriate government agency	
		[14-02] Origin State Code	
		SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	
		[28-02] Ship-to (ST) State Code	
		SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	
>>	<b>N403</b>	<b>116 Postal Code</b>	<b>O ID 3/15</b>
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
		[14-03] Origin ZIP 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	
		[28-03] Ship-to (ST) ZIP 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	
X	<b>N404</b>	<b>26 Country Code</b>	<b>O ID 2/3</b>
X	<b>N405</b>	<b>309 Location Qualifier</b>	<b>X ID 1/2</b>
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	<b>N406</b>	<b>310 Location Identifier</b>	<b>O AN 1/30</b>

**Segment:** **PER Administrative Communications Contact**  
**Position:** 090  
**Loop:** 2100 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:**

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

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

**Notes:** [15] PER SEGMENT - Shipper Point of Contact  
 SEGMENT CONDITION: Use when Issuing Officer data is applicable. Not used for pre-offer notices.  
 [29] PER SEGMENT - Ship To Point of Contact  
 SEGMENT CONDITION: Use when a contact at the destination location is needed/desired. Not used for pre-alert notices.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named [15-01] Shipper Point of Contact Qualifier [29-01] Ship To Point of Contact Qualifier DC Delivery Contact [29-01] Delivery Contact IO Issuing Officer [15-01] Issuing Officer SH Shipper Contact [15-01] Shipper Contact	M ID 2/2
	PER02	93	<b>Name</b> Free-form name [15-02] Shipper Point of Contact Name [29-02] Ship To Point of Contact Name ELEMENT CONDITION: If available, data must be sent	O AN 1/60
>>	PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number [15-03] Telephone Number Qualifier CHANGE NOTE: Requirement designation changed to mandatory per DM 737. [29-03] Telephone Number Qualifier TE Telephone [15-03] Telephone [29-03] Telephone	X ID 2/2
>>	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable [15-04] Shipper Point of Contact Telephone Number Enter shipper's commercial telephone number (include area code) and any associated extension numbers. [29-04] Telephone Number	X AN 1/80
X	PER05	365	<b>Communication Number Qualifier</b> Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
X	PER06	364	<b>Communication Number</b>	X AN 1/80
X	PER07	365	<b>Communication Number Qualifier</b>	X ID 2/2

Refer to 004010 Data Element Dictionary for acceptable code values.

<b>X</b>	<b>PER08</b>	<b>364</b>	<b>Communication Number</b>	<b>X</b>	<b>AN 1/80</b>
<b>X</b>	<b>PER09</b>	<b>443</b>	<b>Contact Inquiry Reference</b>	<b>O</b>	<b>AN 1/20</b>

**Segment:** **LX** Assigned Number  
**Position:** 200  
**Loop:** 2300 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To reference a line number in a transaction set  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

[16] LX SEGMENT - Freight Piece Loop Provide one LX loop for each piece of freight. If shipping multiple pieces under a single transportation control number (TCN), use a separate LX loop for each piece, but use the same TCN.  
 [30] LX SEGMENT - Delivery Stop-off Loop  
 LOOP CONDITION: Use this loop to indicate which freight pieces will be delivered to a particular stop-off. Not needed otherwise.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<u>Element</u> LX01	<u>554</u> Assigned Number	M N0 1/6
		Number assigned for differentiation within a transaction set	
		[16-01] Assigned Loop Number	
		Begin with the value one (1) and increment by one for each shipment unit.	
		[30-01] Shipment Unit Loop Number	
		Begin with the value one (1) and increment by one for each shipment unit.	

**Segment:** **LCT** **Logistics Container Tracking Information**  
**Position:** 210  
**Loop:** 2300 Optional (Must Use)  
**Level:** Detail  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To identify the necessary information for tracking containers and identifying contents of containers

- Syntax Notes:**
- 1 If either LCT04 or LCT05 is present, then the other is required.
  - 2 If LCT06 is present, then at least one of LCT07 LCT08 or LCT09 is required.
  - 3 If LCT07 is present, then LCT06 is required.
  - 4 If LCT08 is present, then LCT06 is required.
  - 5 If LCT09 is present, then LCT06 is required.
  - 6 If either LCT10 or LCT11 is present, then the other is required.

- Semantic Notes:**
- 1 LCT01 is the container identification number.
  - 2 LCT12 should only be used when LCT02 is equal to PLT.

**Comments:**

- Notes:**
- [17] LCT SEGMENT - Shipment Unit
  - [31] LCT SEGMENT - Shipment Unit at Stop-off

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	LCT01	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [17-01] Shipment Unit TCN Use lead TCN of shipment unit (container TCN, lead TCN, pallet TCN, etc.) for the shipment unit. [31-01] Shipment Unit TCN Use lead TCN of freight piece (container TCN, lead TCN, pallet TCN, etc.) for the shipment unit at this stop-off.	M AN 1/30
M	LCT02	211	<b>Packaging Form Code</b> Code for packaging form of the lading quantity [17-02] Type Pack Code Enter X12 Type Pack Code (e.g., BOX, CAS, CNT, CTN, PCS, PCT, etc.). {See Section 6.0 (DTEB Transportation Service Request Implementation Convention) for appropriate code values. [31-02] Type Pack Code Enter X12 Type Pack Code.	M ID 3/3
			BAG Bag [17-02] Bag Use 'BAG' to denote Bag, burlap or cloth	
			BAL Bale [17-02] Bale	
			BBL Barrel [17-02] Barrel	
			BDL Bundle [17-02] Bundle	
			BOX Box [17-02] Box [31-02] Box	
			BSK Basket or hamper [17-02] Basket or hamper Use 'BSK' to denote Basket	
			CAB Cabinet [17-02] Cabinet	

CAN	Can [17-02] Can
CAS	Case [17-02] Case [31-02] Case
CBY	Carboy [17-02] Carboy
CNA	Household Goods Containers, Wood [17-02] Household Goods Containers, Wood Use 'CNA' to denote HHG containers, wood
CNB	Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air An air container conforming to ISO standards [17-02] Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air Use 'CNB' to denote Container, MAC-ISO, lt. wgt. 8x8x20 foot air
CNC	Container, Navy Cargo Transporter [17-02] Container, Navy cargo transporter
CND	Container, Commercial Highway Lift [17-02] Container, commercial highway lift
CNE	Engine Container [17-02] Engine container
CNF	Multiwall Container Secured to Warehouse Pallet [17-02] Multiwall Container Secured to Warehouse Pallet Use 'CNF' to denote Multiwall container secured to warehouse plt
CNT	Container [17-02] Container Use 'CNT' to denote Container, other than CC, CM, CU, CW, MW, MX [31-02] Container
CNX	CONEX - Container Express An 8x8x8-foot container used for packaging and shipping military material [17-02] CONEX - Container Express Use 'CNX' to denote CONEX (Gov't owned container)
COL	Coil [17-02] Coil
CRD	Cradle [17-02] Cradle Use 'CRD' to denote Engine cradle or dolly
CRT	Crate [17-02] Crate
CTN	Carton [17-02] Carton [31-02] Carton
CYL	Cylinder [17-02] Cylinder
DRM	Drum A large container with a cylindrical shape; top may have removable or sealed top sides may be fiberboard or metal [17-02] Drum

DUF	Duffle Bag [17-02] Duffle Bag Use 'DUF' to denote Dufflebag
ENV	Envelope [17-02] Envelope
HPR	Hamper [17-02] Hamper
KEG	Keg [17-02] Keg
LSE	Loose [17-02] Loose Use 'LSE' to denote Loose, not packed
MLV	MILVAN - Military Van A 20-foot transportation van that conforms to ISO standards [17-02] MILVAN - Military Van Use 'MLV' to denote MILVAN
MSV	MSCVAN - Military Sealift Command Van A 35-foot transportation van [17-02] MSCVAN - Military Sealift Command Van Use 'MSV' to denote MSCVAN
MXD	Mixed Type Pack [17-02] Mixed Type Pack Use 'MXD' to denote Mixed
PAL	Pail [17-02] Pail
PCS	Pieces [17-02] Pieces Use 'PCS' to denote Piece [31-02] Pieces
PLL	New Code Added by IC [17-02] [Migration Code] 463L Air Pallet
PLT	Pallet [17-02] Pallet Use 'PLT' to denote Palletized unit load other than code MW [31-02] Pallet
REL	Reel [17-02] Reel
ROL	Roll [17-02] Roll
SAK	Sack [17-02] Sack Use 'SAK' to denote Sack, paper
SCS	Suitcase [17-02] Suitcase
SHT	Sheet [17-02] Sheet
SKD	Skid [17-02] Skid
SKE	Skid, elevating or lift truck [17-02] Skid, elevating or lift truck Use 'SKE' to denote Skid, box
SPL	Spool [17-02] Spool

SVN	SEAVAN - Sea Van A commercial or military 40-foot transportation container that conforms to ISO standards [17-02] SEAVAN - Sea Van Use 'SVN' to denote SEAVAN
TBE	Tube [17-02] Tube
TBN	Tote Bin [17-02] Tote Bin Use 'TBN' to denote SEAVAN - TOTE
TKR	Tank Car [17-02] Tank Car
TKT	Tank Truck [17-02] Tank Truck
TRK	Trunk and Chest [17-02] Trunk and Chest Use 'TRK' to denote Footlocker (Trunk)
TRU	Truck [17-02] Truck
TUB	Tub [17-02] Tub
UNT	Unit [17-02] Unit Use 'UNT' to denote Unitized (use RT for unitized cargo on RORO)
VEH	Vehicles [17-02] Vehicles Use 'VEH' to denote Vehicle
VOC	New Code Added by IC [17-02] Vehicle in Operating Condition
VPK	Van Pack [17-02] Van Pack Use 'VPK' to denote Van chassis
WHE	On Own Wheel [17-02] On Own Wheel Use 'WHE' to denote RORO (roll-off, roll-on)
WRP	Wrapped [17-02] Wrapped

	<b>LCT03</b>	<b>352</b>	<b>Description</b>	<b>O AN 1/80</b>
			A free-form description to clarify the related data elements and their content [17-03] Description ELEMENT CONDITION: If available, use NMFC text description of the unit(s) being shipped. Otherwise, provide a clear text description of the items in the shipment unit. If the shipment unit is a consolidation, enter value 'MIXED CARGO'.	
>>	<b>LCT04</b>	<b>188</b>	<b>Weight Unit Code</b>	<b>X ID 1/1</b>
			Code specifying the weight unit [17-04] Shipment Unit Weight Qualifier L Pounds [17-04] Pounds	
>>	<b>LCT05</b>	<b>395</b>	<b>Unit Weight</b>	<b>X R 1/8</b>
			Numeric value of weight per unit [17-05] Shipment Unit Weight CHANGE NOTE: Note added per DM 1027: Entry may contain a decimal; if not, decimal is assumed at right-most point of	

			the field.	
	<b>LCT06</b>	<b>90</b>	<b>Measurement Unit Qualifier</b>	<b>X ID 1/1</b>
			Code specifying the linear dimensional unit	
			[17-06] Shipment Unit Measurement Unit Qualifier	
			ELEMENT CONDITION: Provide if available.	
			E Feet	
			[17-06] Feet	
			N Inches	
			[17-06] Inches	
	<b>LCT07</b>	<b>82</b>	<b>Length</b>	<b>X R 1/8</b>
			Largest horizontal dimension of an object measured when the object is in the upright position	
			[17-07] Shipment Unit Length	
			ELEMENT CONDITION: Provide if available.	
	<b>LCT08</b>	<b>189</b>	<b>Width</b>	<b>X R 1/8</b>
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position	
			[17-08] Shipment Unit Width	
			ELEMENT CONDITION: Provide if available.	
	<b>LCT09</b>	<b>65</b>	<b>Height</b>	<b>X R 1/8</b>
			Vertical dimension of an object measured when the object is in the upright position	
			[17-09] Shipment Unit Height	
			ELEMENT CONDITION: Provide if available.	
>>	<b>LCT10</b>	<b>184</b>	<b>Volume Unit Qualifier</b>	<b>X ID 1/1</b>
			Code identifying the volume unit	
			[17-10] Shipment Unit Volume Unit Qualifier	
			E Cubic Feet	
			[17-10] Cubic Feet	
>>	<b>LCT11</b>	<b>183</b>	<b>Volume</b>	<b>X R 1/8</b>
			Value of volumetric measure	
			[17-11] Shipment Unit Volume	
			CHANGE NOTE: Note added per DM 1027:	
			Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	
X	<b>LCT12</b>	<b>399</b>	<b>Pallet Exchange Code</b>	<b>O ID 1/1</b>
			Refer to 004010 Data Element Dictionary for acceptable code values.	

**Segment:** **L11 Business Instructions and Reference Number**

**Position:** 260

**Loop:** 2300 Optional (Must Use)

**Level:** Detail

**Usage:** Optional

**Max Use:** 10

**Purpose:** To specify instructions in this business relationship or a reference number

**Syntax Notes:** 1 At least one of L1101 or L1103 is required.

2 If either L1101 or L1102 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:** [18] L11 SEGMENT - Special Handling Minimum Temperature Allowed  
SEGMENT CONDITION: Use the segment when special temperature handling is required.

[19] L11 SEGMENT - Special Handling Maximum Temperature Allowed  
SEGMENT CONDITION: Use the segment when special temperature handling is required.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
>>	L1101	127 Reference Identification	X AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
		[18-01] Special Handling Minimum Temperature Allowed	
		Enter minimum temperature (in Fahrenheit) at which freight may be kept.	
		[19-01] Special Handling Maximum Temperature Allowed	
		Enter maximum temperature (in Fahrenheit) at which freight may be kept.	
>>	L1102	128 Reference Identification Qualifier	X ID 2/3
		Code qualifying the Reference Identification	
		[18-02] Minimum Temperature Qualifier	
		[19-02] Maximum Temperature Qualifier	
		HQ Reinsurance Reference	
		[19-02] Reinsurance Reference	
		Use 'HQ' to denote Maximum Temperature Allowed	
		SU Special Processing Code	
		Unique code identifying the special handling requirements for the claim	
		[18-02] Special Processing Code	
		Use 'SU' to denote Minimum Temperature Allowed	
X	L1103	352 Description	X AN 1/80

**Segment:** **G61 Contact**  
**Position:** 270  
**Loop:** 2350 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**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:** [20] G61 SEGMENT - Emergency Contact  
 SEGMENT CONDITION: Used only if shipment contains hazardous materials. Repeat this segment as required to pass two emergency phone numbers, one for commercial and the other toll free.

**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	
		[20-01] Emergency Contact Qualifier	
		EM Emergency Contact	
		[20-01] Emergency Contact	
M	G6102	93 Name	M AN 1/60
		Free-form name	
		[20-02] Emergency Contact Name	
	G6103	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		[20-03] Telephone Number Qualifier	
		AP Alternate Telephone	
		[20-03] Alternate Telephone	
		Use 'AP' to denote Toll-free Emergency Number	
		TE Telephone	
		[20-03] Telephone	
		Use 'TE' to denote Commercial Emergency Number	
	G6104	364 Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
		[20-04] Emergency Contact Telephone Number	
		Enter shipper's commercial telephone number (include area code) and any associated extension numbers.	
X	G6105	443 Contact Inquiry Reference	O AN 1/20

**Segment:** **LH1** Hazardous Identification Information  
**Position:** 300  
**Loop:** 2355 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the hazardous commodity identification reference number and quantity  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

- 1 LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.
- 2 LH106 and LH107 are used to convey the quantity or volume and unit of measure for nonbulk shipments only.
- 3 In LH109, a value of "R" or "P" requires that the receiver generate the words "residue: last contained" prior to the shipping name in accordance with regulations.

**Notes:** [21] LH1 SEGMENT - HAZMAT Quantities  
 SEGMENT CONDITION: Required if the shipment contains hazardous material.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	LH101	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken [21-01] HAZMAT - Unit Of Measure Code Contains the code identifying the Unit of Measure (type of packaging) for which the data in LH102 is reported. Use LH106 to express weight and volume. SOURCE: If a particular element contains several valid values found in multiple tables within section six of an IC, the following entry would be made. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
M	LH102	80	<b>Lading Quantity</b> Number of units (pieces) of the lading commodity [21-02] HAZMAT - Lading Quantity Contains the number of units (pieces) of the lading commodity that is Hazardous. Reference 49 CFR 172.202(c).	M N0 1/7
>>	LH103	277	<b>UN/NA Identification Code</b> Code identifying the hazardous material identification number as required by Title 49 of the code of Federal Regulations; UN/NA stands for United Nations/North America [21-03] HAZMAT - UN/NA ID Code Contains the United Nations/North America (UN/NA) code. SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	O ID 6/6
X	LH104	200	<b>Hazardous Materials Page</b>	O AN 1/6
X	LH105	22	<b>Commodity Code</b>	O AN 1/30
	LH106	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken [21-06] HAZMAT - English Measurement Code Use the unit of measure codes for quantity or volume of non bulk shipments. This will typically be pounds, cubic feet, or a unit of measure other than pieces. If the weight of the hazardous material is measured in other than the above listed Weight Units of Measure, refer to X12 Standard, DE 355. Use LH101 to express type of packaging. ELEMENT CONDITION: Required if LH107 or LFH (Metric Weight) is used.	O ID 2/2

BA	Bale
	[21-06] Bale
BD	Bundle
	[21-06] Bundle
BG	Bag
	[21-06] Bag
BR	Barrel
	[21-06] Barrel
BS	Basket
	[21-06] Basket
BX	Box
	[21-06] Box
CA	Case
	[21-06] Case
CB	Carboy
	[21-06] Carboy
CH	Container
	[21-06] Container
CL	Cylinder
	[21-06] Cylinder
CN	Can
	[21-06] Can
CP	Crate
	[21-06] Crate
CT	Carton
	[21-06] Carton
CX	Coil
	[21-06] Coil
DR	Drum
	[21-06] Drum
EV	Envelope
	[21-06] Envelope
KE	Keg
	A unit of weight equal to 100 pounds, used for nails
	[21-06] Keg
NV	Vehicle
	[21-06] Vehicle
PA	Pail
	[21-06] Pail
PC	Piece
	[21-06] Piece
PF	Pallet (Lift)
	[21-06] Pallet (Lift)
PL	Pallet/Unit Load
	[21-06] Pallet/Unit Load
RE	Reel
	[21-06] Reel
RL	Roll
	[21-06] Roll
SH	Sheet
	[21-06] Sheet

SJ	Sack
	[21-06] Sack
SO	Spool
	[21-06] Spool
SV	Skid
	[21-06] Skid
TB	Tube
	[21-06] Tube
TE	Tote
	[21-06] Tote
TK	Tank
	[21-06] Tank
WR	Wrap
	[21-06] Wrap
ZZ	Mutually Defined
	[21-06] Mutually Defined

	<b>LH107</b>	<b>380</b>	<b>Quantity</b>	<b>O R 1/15</b>
			Numeric value of quantity	
			[21-07] HAZMAT - Quantity	
			Quantity refers to the amount (i.e., weight in pounds, volume in cubic feet, or other such measurement) of the hazardous material commodity that is to be transported.	
<b>X</b>	<b>LH108</b>	<b>595</b>	<b>Compartment ID Code</b>	<b>O ID 1/1</b>
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	<b>LH109</b>	<b>665</b>	<b>Residue Indicator Code</b>	<b>O ID 1/1</b>
			Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded	
			[21-09] HAZMAT - Residue Indicator Code	
			R Residue Last Contained Description (Tank Car)	
			[21-09] Residue Last Contained Description (Tank Car)	
			Use 'R' to denote Unit being shipped is empty and contains a residue from a prior movement, reference 40 CFR 172.203(e)	
	<b>LH110</b>	<b>254</b>	<b>Packing Group Code</b>	<b>O ID 1/3</b>
			Code indicating degree of danger in terms of Roman number I, II or III	
			[21-10] HAZMAT - Packing Group Code	
			Indicate the required packing group using Roman Numeral I, II, or III to indicate the degree of danger as shown in column 5 of 49 CFR, Table 172.101. SOURCE: The Canadian Gazette, Part II available from Canadian Government Publishing Centre Supply and Services Canada	
<b>X</b>	<b>LH111</b>	<b>1375</b>	<b>Interim Hazardous Material Regulatory Number</b>	<b>O AN 1/5</b>

**Segment:** **LH2 Hazardous Classification Information**  
**Position:** 310  
**Loop:** 2355 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 4  
**Purpose:** To specify the hazardous notation and endorsement information  
**Syntax Notes:**

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

**Semantic Notes:**

- 1 LH206 and LH207 indicate the flashpoint temperature.
- 2 LH208 and LH209 indicate the control temperature.
- 3 LH210 and LH211 indicate the emergency temperature.

**Comments:**  
**Notes:** [22] LH2 SEGMENT - HAZMAT Classification  
 SEGMENT CONDITION: Required for loaded and unloaded HAZMAT shipments.

**Data Element Summary**

Ref.	Data Element	Name	Attributes
>>	LH201	215 Hazardous Classification	O ID 1/30
		The hazardous classification corresponding to the shipping name of the hazardous commodity [22-01] HAZMAT - Hazardous Class/Division Identify the hazard class or division prescribed for the material as shown in column 3 of 49 CFR Table 172.101. If there is no hazard class or division, use the code in that column, such as ORM-D (Other Regulated Material), reference 49 CFR 173.2. If there is a subsidiary hazard but no hazard class or division, use code value 'NA'. A material for which the MN entry in this column is 'Forbidden' may not be offered for transportation nor be transported. This segment needs to be repeated for each subsidiary hazard. SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	
>>	LH202	983 Hazardous Class Qualifier	O ID 1/1
		Code qualifying hazardous class [22-02] HAZMAT - Hazard Class Qualifier Repeat the LH2 segment as necessary to identify the primary and each subsidiary (secondary) hazard of the material being shipped. P Primary [22-02] Primary S Secondary [22-02] Secondary	
X	LH203	218 Hazardous Placard Notation	O ID 14/40
X	LH204	222 Hazardous Endorsement	O ID 4/25
	LH205	759 Reportable Quantity Code	O ID 2/2
		Code to identify presence of hazardous substance [22-05] HAZMAT - Reportable Quantity ELEMENT CONDITION: Required if necessary to indicate a reportable quantity is present in the shipment. For empty packagings or units containing the residue of a hazardous material, reference 49 CFR 172.203(e). RQ Reportable Quantity [22-05] Reportable Quantity	
	LH206	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 [22-06] HAZMAT Flashpoint Temperature Code	

			ELEMENT CONDITION: Required if LH207 is used.	
		FA	Fahrenheit	
			[22-06] Fahrenheit	
	<b>LH207</b>	<b>408</b>	<b>Temperature</b>	<b>X R 1/4</b>
			Temperature	
			[22-07] HAZMAT Flashpoint Temperature	
			ELEMENT CONDITION: Required if LH206 is used.	
<b>X</b>	<b>LH208</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>X ID 2/2</b>
			Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>LH209</b>	<b>408</b>	<b>Temperature</b>	<b>X R 1/4</b>
<b>X</b>	<b>LH210</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>X ID 2/2</b>
			Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>LH211</b>	<b>408</b>	<b>Temperature</b>	<b>X R 1/4</b>

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

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

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

**Comments:**

**Notes:** [32] L3 SEGMENT - Shipment Totals

#### Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
>>	L301	81	<b>Weight</b>	X R 1/10
			Numeric value of weight	
			[32-01] Total Shipment Weight	
>>	L302	187	<b>Weight Qualifier</b>	X ID 1/2
			Code defining the type of weight	
			[32-02] Weight Qualifier	
			Use code value 'G' only if requesting movement for a stuffed container or loaded trailer.	
		FR	Freight Weight	
			[32-02] Freight Weight	
		G	Gross Weight	
			[32-02] Gross Weight	
X	L303	60	<b>Freight Rate</b>	X R 1/9
X	L304	122	<b>Rate/Value Qualifier</b>	X ID 2/2
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	L305	58	<b>Charge</b>	O N2 1/12
X	L306	191	<b>Advances</b>	O N2 1/9
X	L307	117	<b>Prepaid Amount</b>	O N2 1/9
X	L308	150	<b>Special Charge or Allowance Code</b>	O ID 3/3
			Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	L309	183	<b>Volume</b>	X R 1/8
			Value of volumetric measure	
			[32-09] Total Shipment Volume	
>>	L310	184	<b>Volume Unit Qualifier</b>	X ID 1/1
			Code identifying the volume unit	
			[32-10] Volume Unit Qualifier	
		E	Cubic Feet	
			[32-10] Cubic Feet	
>>	L311	80	<b>Lading Quantity</b>	O N0 1/7
			Number of units (pieces) of the lading commodity	
			[32-11] Total Shipment Units	
>>	L312	188	<b>Weight Unit Code</b>	O ID 1/1
			Code specifying the weight unit	
			[32-12] Units Qualifier	

Qualifies weight value in L301.

L Pounds

[32-12] Pounds

X	L313	171	Tariff Number	O	AN 1/7
X	L314	74	Declared Value	X	N2 2/12
X	L315	122	Rate/Value Qualifier	X	ID 2/2

Refer to 004010 Data Element Dictionary for acceptable code values.

**Segment:** **SE** Transaction Set Trailer  
**Position:** 020  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**

**Semantic Notes:**

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

**Notes:** [33] SE SEGMENT - DTCI Transportation Service Request Trailer

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	SE01	96	<b>Number of Included Segments</b>	<b>M N0 1/10</b>
			Total number of segments included in a transaction set including ST and SE segments	
			[33-01] Number of Included Segments	
M	SE02	329	<b>Transaction Set Control Number</b>	<b>M AN 4/9</b>
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			[33-02] 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. The application notes section below describes the application specific to this IC element matrix.

### HOW TO READ THE IC ELEMENT MATRIX

To read the matrix, trading 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.
- 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 “Carrier Shipment ID.” This is more concise than using the generic X12 label of “Shipment Identification Number.” 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 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.
- 12 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 GBL Information Request. DoD coordinated the IC elements between transportation activities involved in the DoD electronic data interchange effort.

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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		
1		<b>ST SEGMENT - DTCI Transportation Service Request Header</b> Use this implementation convention (IC) for Defense Transportation Coordination Initiative (DTCI) Transportation Service Request.	M	1	010	M	1								
1-01		Transaction Set Identifier Code 219 - Logistics Service Request	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		<b>B9 SEGMENT - Record Number/Purpose/Shipment Method</b>	M	1	020	M	1								
2-01		Offer Record Number Enter a unique logistics identification number assigned by the originator of this transaction set.	M AN 1/30	1	020	M	1				B901	127	M	AN	1/30
2-02		Transaction Set Purpose Code 00 - Original <i>Use '00' to denote Original Offer.</i> 01 - Cancellation 04 - Change 14 - Advance Notification <i>Use '14' to denote Pre-Offer Notice (no X12 220 response required).</i>	M ID 2/2	1	020	M	1				B902	353	M	ID	2/2
2-03		Shipment Method of Payment CC - Collect CD - Collect on Delivery PP - Prepaid (by Seller) TP - Third Party Pay	M ID 2/2	1	020	M	1				B903	146	O	ID	2/2
3		<b>B9A SEGMENT - Service Request Code</b>	M	1	030	M	7								

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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		
3-01		Service Request Code CS - Carrier Selection  <i>Use 'CS' to denote DTCI.</i>	M	ID	2/2	1	030	M	7			B9A01	1644	M	ID 2/2	
4		<b>MS3 SEGMENT - INTERLINE INFORMATION</b> SEGMENT CONDITION: Use only when requesting transportation for a scheduled/dedicated truck move. Not used otherwise.	C			1	050	O	99					See X12 Standards for explanation of syntax notes. C0503		
4-01		Standard Carrier Alpha Code Insert the SCAC of the carrier with whom the DTCI coordinator contracted for the scheduled/dedicated truck route.  SOURCE: Directory of Standard Multi-Model Carriers and Tariff Agents Codes (SCAC-STAC), NMF 101 Series available from National Motor Freight Association, Inc.	M	ID	2/4	1	050	O	99			MS301	140	M	ID 2/4	
4-02		Routing Sequence Code B - Origin/Delivery Carrier (Any Mode)	M	ID	1/1	1	050	O	99			MS302	133	M	ID 1/2	
4-04		Transportation Method/Type Code L - Contract Carrier  <i>Use 'L' to denote Scheduled/Dedicated Trucks.</i>	M	ID	1/1	1	050	O	99			MS304	91	O	ID 1/2	
5		<b>ITA SEGMENT - Accessorial/Special Handling Request</b> SEGMENT CONDITION: Use when accessorial services or special handling is requested. Not used for pre-offer notices.	C			1	060	O	20					See X12 Standards for explanation of syntax notes. L02031314C0809P1011C1502C1712		
5-01		Accessorial/Special Handling Request Code S - Service	M	ID	1/1	1	060	O	20			ITA01	248	M	ID 1/1	
5-04		Allowance or Charge Method of Handling Code Use code value 'ZZ' to satisfy X12 syntax requirements.  CHANGE NOTE: Data element added to satisfy X12 requirements per DM 732.  ZZ - Mutually Defined	M	ID	2/2	1	060	O	20			ITA04	331	M	ID 2/2	
5-13		Accessorial/Special Handling Request Description Insert the projected accessorial services that may be required for the shipment unit.  CHANGE NOTE: Unused code values removed for TTC accessorial code tables in Section 6.0 per DM 739.  See Section 6 for list of data values.	M	AN	3/3	1	060	O	20			ITA13	352	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			
6		<b>NTE SEGMENT - Number of Vehicles Requested</b> SEGMENT CONDITION: Use when requesting truckload moves and the shipper knows the number trucks required for the move.  Not used for pre-offer notices. If requesting more than 99 vehicles, use a separate 219.	C		1	070	O	10									
6-01		Number of Vehicles Requested Qualifier EED - Equipment Description  <i>Use 'EED' to denote Number of Vehicles Requested.</i>	M	ID	3/3	1	070	O	10			NTE01	363	O	ID	3/3	
6-02		Number of Vehicles Requested Enter numeric value of the number of vehicles being requested. Not used for pre-offer notices.  ELEMENT CONDITION: Not used for pre-offer notices.	C	AN	1/2	1	070	O	10			NTE02	352	M	AN	1/80	
7		<b>NTE SEGMENT - Note/Special Instruction</b> SEGMENT CONDITION: Use this segment to report additional free-form special instructions/requests to the DTCI coordinator, such as more detailed information on pickup location, appointment requirements, and other ancillary detail not provided elsewhere in the transaction. If needed, this special instructions segment may be used up to nine times.	C			1	070	O	10								
7-01		Note Reference Code ADD - Additional Information	M	ID	3/3	1	070	O	10			NTE01	363	O	ID	3/3	
7-02		Note/Special Instruction Enter free-form text for additional/special instructions to the DTCI coordinator.	M	AN	1/80	1	070	O	10			NTE02	352	M	AN	1/80	
8		<b>N7 SEGMENT - Equipment Used/Requested</b> SEGMENT CONDITION: Use this segment when 1) directly loading a pooled trailer at the shipper's location, 2 ) if requesting special equipment (low-boy, air cushioned, flatbed, etc.) from the coordinator, or 3) if offering a government owned or leased railcar to the coordinator. Not used for pre-offer notices.	C			1	080	O	1	99	1	1000				See X12 Standards for explanation of syntax notes. P0304P0516P0809	
8-01		Equipment Initials If directly loading a pooled trailer, enter the SCAC of the carrier that owns the equipment. Otherwise, enter value '0'.  SOURCE: IATA Unit Load Devices Manual available from International Air Transport Association	M	AN	1/4	1	080	O	1	99	1	1000	N701	206	O	AN	1/4
8-02		Equipment Number If directly loading a pooled trailer, enter the serial number of the equipment. Otherwise, enter value '0' to satisfy X12 syntax requirements.	M	AN	1/10	1	080	O	1	99	1	1000	N702	207	M	AN	1/10

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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		
8-03		Equipment Weight Capacity Express in 1000 lb units. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	C	R	1/10	1	080	O	1	99	1	1000	N703	81	C R	1/10
8-04		Weight Qualifier ELEMENT CONDITION: Required if N703 is used.  N - Actual Net Weight	C	ID	1/1	1	080	O	1	99	1	1000	N704	187	C ID	1/2
8-08		Equipment Cube	C	R	1/8	1	080	O	1	99	1	1000	N708	183	C R	1/8
8-09		Equipment Cube Qualifier ELEMENT CONDITION: Required if N708 is used.  E - Cubic Feet	C	ID	1/1	1	080	O	1	99	1	1000	N709	184	C ID	1/1
8-13		Temperature Control Use to specify temperature setting for reefer shipments. If necessary, indicate minimum and maximum temperature (e.g., -10+30.). Report all temperatures in Fahrenheit.	C	AN	3/6	1	080	O	1	99	1	1000	N713	319	O AN	3/6
8-15		Equipment Length Report in FFFII format.	C	N0	4/5	1	080	O	1	99	1	1000	N715	567	O N0	4/5
8-22		Equipment Type Enter code to identify the equipment type. Use DoD equipment codes. Left justify the code and fill to the right with the lower case 'x' until a length of four characters is attained.  See Section 6 for list of data values.	M	ID	4/4	1	080	O	1	99	1	1000	N722	24	O ID	4/4
9		<b>S5 SEGMENT - Pick-up Location</b> LOOP CONDITION: Mandatory for EDI 219A transactions that are an original, change, or pre-offer (B902='00', '04', or '14' respectively). The S5 loop is not required for cancellations of the entire 219A (B902='01'). This S5 loop describes shipment pickup information and pickup location.	C			2	010	O	1	99	1	2000				See X12 Standards for explanation of syntax notes. P0304P0506P0708
9-01		Stop Sequence Number Enter value one (1) and increment by one for each successive S5 segment.	M	N0	1/3	2	010	O	1	99	1	2000	S501	165	M N0	1/3
9-02		Stop Reason Code LD - Load	M	ID	2/2	2	010	O	1	99	1	2000	S502	163	M ID	2/2
10		<b>G62 SEGMENT - Requested Pick-up Date</b>	M			2	020	O	2	99	1	2000				See X12 Standards for explanation of syntax notes. R0103P0102P0304

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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		Requested Pick-up Date Qualifier 10 - Requested Ship Date/Pick-up Date  <i>Use '10' to denote Requested Pick-up Date.</i>	M	ID	2/2	2	020	O	2	99	1	2000	G6201	432	C	ID	2/2
10-02		Requested Pick-up Date Format is CCYYMMDD.	M	DT	8/8	2	020	O	2	99	1	2000	G6202	373	C	DT	8/8
10-03		Time Qualifier ELEMENT CONDITION: If available, data must be sent  I - Earliest Requested Pick Up Time  K - Latest Requested Pick Up Time  U - Scheduled Pick Up Time	C	ID	1/1	2	020	O	2	99	1	2000	G6203	176	C	ID	1/2
10-04		Requested Pick-up Time Format is 'HHMM'.	C	TM	4/4	2	020	O	2	99	1	2000	G6204	337	C	TM	4/8
10-05		Time Code ELEMENT CONDITION: Required if G6204 is present.  SOURCE: ISO 8601 available from American National Standards Institute  LT - Local Time  UT - Universal Time Coordinate	C	ID	2/2	2	020	O	2	99	1	2000	G6205	623	O	ID	2/2
11		<b>N1 SEGMENT - Origin (SF) Data</b>	M			2	050	O	1	1	2	2100	See X12 Standards for explanation of syntax notes. R0203P0304				
11-01		Origin Name Qualifier SF - Ship From	M	ID	2/2	2	050	O	1	1	2	2100	N101	98	M	ID	2/3
11-02		Origin Name	C	AN	1/60	2	050	O	1	1	2	2100	N102	93	C	AN	1/60
11-03		DoDAAC/CAGE Qualifier 10 - Department of Defense Activity Address Code (DODAAC)  33 - Commercial and Government Entity (CAGE)	M	ID	2/2	2	050	O	1	1	2	2100	N103	66	C	ID	1/2
11-04		Origin DoDAAC/CAGE	M	AN	5/6	2	050	O	1	1	2	2100	N104	67	C	AN	2/80

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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	
12		<b>N2 SEGMENT - Additional Origin Name</b> SEGMENT CONDITION: Use if additional origin name applies.	C		2	060	O	1	1	2	2100				
12-01		Additional Origin Name	M	AN	1/60	2	060	O	1	1	2	2100	N201	93	M AN 1/60
13		<b>N3 SEGMENT - Origin (SF) Street Address</b>	M			2	070	O	2	1	2	2100			
13-01		Origin Street Address	M	AN	1/55	2	070	O	2	1	2	2100	N301	166	M AN 1/55
14		<b>N4 SEGMENT - Origin (SF) City Name and State/ZIP Codes</b>	M			2	080	O	1	1	2	2100			
See X12 Standards for explanation of syntax notes. C0605															
14-01		Origin City Name	M	AN	2/30	2	080	O	1	1	2	2100	N401	19	O AN 2/30
14-02		Origin State Code SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	M	ID	2/2	2	080	O	1	1	2	2100	N402	156	O ID 2/2
14-03		Origin ZIP 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	M	ID	5/9	2	080	O	1	1	2	2100	N403	116	O ID 3/15
15		<b>PER SEGMENT - Shipper Point of Contact</b> SEGMENT CONDITION: Use when Issuing Officer data is applicable. Not used for pre-offer notices.	C			2	090	O	3	1	2	2100			
See X12 Standards for explanation of syntax notes. P0304P0506P0708															
15-01		Shipper Point of Contact Qualifier IO - Issuing Officer SH - Shipper Contact	M	ID	2/2	2	090	O	3	1	2	2100	PER01	366	M ID 2/2
15-02		Shipper Point of Contact Name	C	AN	1/60	2	090	O	3	1	2	2100	PER02	93	O AN 1/60
15-03		Telephone Number Qualifier CHANGE NOTE: Requirement designation changed to mandatory per DM 737. TE - Telephone	M	ID	2/2	2	090	O	3	1	2	2100	PER03	365	C ID 2/2

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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	
15-04		Shipper Point of Contact Telephone Number Enter shipper's commercial telephone number (include area code) and any associated extension numbers.	M AN 10/80	2	090	O	3	1	2	2100	PER04	364	C	AN 1/80
16		<b>LX SEGMENT - Freight Piece Loop</b> Provide one LX loop for each piece of freight. If shipping multiple pieces under a single transportation control number (TCN), use a separate LX loop for each piece, but use the same TCN.	M	2	200	O	1	999	2	2300				
16-01		Assigned Loop Number Begin with the value one (1) and increment by one for each shipment unit.	M NO 1/6	2	200	O	1	999	2	2300	LX01	554	M	NO 1/6
17		<b>LCT SEGMENT - Shipment Unit</b>	M	2	210	O	1	999	2	2300				
				See X12 Standards for explanation of syntax notes. P0405L06070809C0706C0806C0906P1011										
17-01		Shipment Unit TCN Use lead TCN of shipment unit (container TCN, lead TCN, pallet TCN, etc.) for the shipment unit.	M AN 17/17	2	210	O	1	999	2	2300	LCT01	127	M	AN 1/30
17-02		Type Pack Code Enter X12 Type Pack Code (e.g., BOX, CAS, CNT, CTN, PCS, PCT, etc.). (See Section 6.0 (DTEB Transportation Service Request Implementation Convention) for appropriate code values.  See Section 6 for list of data values.	M ID 3/3	2	210	O	1	999	2	2300	LCT02	211	M	ID 3/3
17-03		Description ELEMENT CONDITION: If available, use NMFC text description of the unit(s) being shipped. Otherwise, provide a clear text description of the items in the shipment unit. If the shipment unit is a consolidation, enter value 'MIXED CARGO'.	C AN 1/80	2	210	O	1	999	2	2300	LCT03	352	O	AN 1/80
17-04		Shipment Unit Weight Qualifier L - Pounds	M ID 1/1	2	210	O	1	999	2	2300	LCT04	188	C	ID 1/1
17-05		Shipment Unit Weight CHANGE NOTE: Note added per DM 1027: Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	M R 1/8	2	210	O	1	999	2	2300	LCT05	395	C	R 1/8
17-06		Shipment Unit Measurement Unit Qualifier ELEMENT CONDITION: Provide if available.  E - Feet  N - Inches	C ID 1/1	2	210	O	1	999	2	2300	LCT06	90	C	ID 1/1

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DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION						
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
17-07		Shipment Unit Length ELEMENT CONDITION: Provide if available.	C	R	1/8	2	210	O	1	999	2	2300	LCT07	82	C	R	1/8
17-08		Shipment Unit Width ELEMENT CONDITION: Provide if available.	C	R	1/8	2	210	O	1	999	2	2300	LCT08	189	C	R	1/8
17-09		Shipment Unit Height ELEMENT CONDITION: Provide if available.	C	R	1/8	2	210	O	1	999	2	2300	LCT09	65	C	R	1/8
17-10		Shipment Unit Volume Unit Qualifier E - Cubic Feet	M	ID	1/1	2	210	O	1	999	2	2300	LCT10	184	C	ID	1/1
17-11		Shipment Unit Volume CHANGE NOTE: Note added per DM 1027: Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.	M	R	1/8	2	210	O	1	999	2	2300	LCT11	183	C	R	1/8
18		<b>L11 SEGMENT - Special Handling Minimum Temperature Allowed</b> SEGMENT CONDITION: Use the segment when special temperature handling is required.	C			2	260	O	10	999	2	2300					
																	See X12 Standards for explanation of syntax notes. R0103P0102
18-01		Special Handling Minimum Temperature Allowed Enter minimum temperature (in Fahrenheit) at which freight may be kept.	M	AN	1/3	2	260	O	10	999	2	2300	L1101	127	C	AN	1/30
18-02		Minimum Temperature Qualifier SU - Special Processing Code  <i>Use 'SU' to denote Minimum Temperature Allowed.</i>	M	ID	2/2	2	260	O	10	999	2	2300	L1102	128	C	ID	2/3
19		<b>L11 SEGMENT - Special Handling Maximum Temperature Allowed</b> SEGMENT CONDITION: Use the segment when special temperature handling is required.	C			2	260	O	10	999	2	2300					
																	See X12 Standards for explanation of syntax notes. R0103P0102
19-01		Special Handling Maximum Temperature Allowed Enter maximum temperature (in Fahrenheit) at which freight may be kept.	M	AN	1/3	2	260	O	10	999	2	2300	L1101	127	C	AN	1/30
19-02		Maximum Temperature Qualifier HQ - Reinsurance Reference  <i>Use 'HQ' to denote Maximum Temperature Allowed.</i>	M	ID	2/3	2	260	O	10	999	2	2300	L1102	128	C	ID	2/3

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DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
20		<b>G61 SEGMENT - Emergency Contact</b> SEGMENT CONDITION: Used only if shipment contains hazardous materials. Repeat this segment as required to pass two emergency phone numbers, one for commercial and the other toll free.	C	2	270	O	1	99	3	2350				
													See X12 Standards for explanation of syntax notes. P0304	
20-01		Emergency Contact Qualifier EM - Emergency Contact	M ID 2/2	2	270	O	1	99	3	2350	G6101	366	M	ID 2/2
20-02		Emergency Contact Name	M AN 1/60	2	270	O	1	99	3	2350	G6102	93	M	AN 1/60
20-03		Telephone Number Qualifier AP - Alternate Telephone  <i>Use 'AP' to denote Toll-free Emergency Number.</i>  TE - Telephone  <i>Use 'TE' to denote Commercial Emergency Number.</i>	C ID 2/2	2	270	O	1	99	3	2350	G6103	365	C	ID 2/2
20-04		Emergency Contact Telephone Number Enter shipper's commercial telephone number (include area code) and any associated extension numbers.	C AN 10/80	2	270	O	1	99	3	2350	G6104	364	C	AN 1/80
21		<b>LH1 SEGMENT - HAZMAT Quantities</b> SEGMENT CONDITION: Required if the shipment contains hazardous material.	C	2	300	O	1	25	4	2355				
21-01		HAZMAT - Unit Of Measure Code Contains the code identifying the Unit of Measure (type of packaging) for which the data in LH102 is reported. Use LH106 to express weight and volume.  SOURCE: If a particular element contains several valid values found in multiple tables within section six of an IC, the following entry would be made. Common code values associated with multiple definitions prevents documentation of the entire sub-set.	M ID 2/2	2	300	O	1	25	4	2355	LH101	355	M	ID 2/2
21-02		HAZMAT - Lading Quantity Contains the number of units (pieces) of the lading commodity that is Hazardous. Reference 49 CFR 172.202(c).	M NO 1/7	2	300	O	1	25	4	2355	LH102	80	M	NO 1/7
21-03		HAZMAT - UN/NA ID Code Contains the United Nations/North America (UN/NA) code.  SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	M ID 6/6	2	300	O	1	25	4	2355	LH103	277	O	ID 6/6

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	
21-06		HAZMAT - English Measurement Code  Use the unit of measure codes for quantity or volume of non bulk shipments. This will typically be pounds, cubic feet, or a unit of measure other than pieces. If the weight of the hazardous material is measured in other than the above listed Weight Units of Measure, refer to X12 Standard, DE 355. Use LH101 to express type of packaging.  ELEMENT CONDITION: Required if LH107 or LFH (Metric Weight) is used.  See Section 6 for list of data values.	C ID 2/2	2	300	O	1	25	4	2355	LH106	355	O ID	2/2
21-07		HAZMAT - Quantity  Quantity refers to the amount (i.e., weight in pounds, volume in cubic feet, or other such measurement) of the hazardous material commodity that is to be transported.	C R 1/15	2	300	O	1	25	4	2355	LH107	380	O R	1/15
21-09		HAZMAT - Residue Indicator Code R - Residue Last Contained Description (Tank Car)  <i>Use 'R' to denote Unit being shipped is empty and contains a residue from a prior movement, reference 40 CFR 172.203(e).</i>	C ID 1/1	2	300	O	1	25	4	2355	LH109	665	O ID	1/1
21-10		HAZMAT - Packing Group Code  Indicate the required packing group using Roman Numeral I, II, or III to indicate the degree of danger as shown in column 5 of 49 CFR, Table 172.101.  SOURCE: The Canadian Gazette, Part II available from Canadian Government Publishing Centre Supply and Services Canada	C ID 1/3	2	300	O	1	25	4	2355	LH110	254	O ID	1/3
22		<b>LH2 SEGMENT - HAZMAT Classification</b>  SEGMENT CONDITION: Required for loaded and unloaded HAZMAT shipments.	C	2	310	O	4	25	4	2355	See X12 Standards for explanation of syntax notes. P0607P0809P1011			
22-01		HAZMAT - Hazardous Class/Division  Identify the hazard class or division prescribed for the material as shown in column 3 of 49 CFR Table 172.101. If there is no hazard class or division, use the code in that column, such as ORM-D (Other Regulated Material), reference 49 CFR 173.2. If there is a subsidiary hazard but no hazard class or division, use code value 'NA'. A material for which the MN entry in this column is 'Forbidden' may not be offered for transportation nor be transported. This segment needs to be repeated for each subsidiary hazard.  SOURCE: Hazardous Materials Regulations of the Department of Transportation by Air, Rail, Highway, and Water available from Association of American Railroads Publications	M ID 1/30	2	310	O	4	25	4	2355	LH201	215	O ID	1/30
22-02		HAZMAT - Hazard Class Qualifier  Repeat the LH2 segment as necessary to identify the primary and each subsidiary (secondary) hazard of the material being shipped.  P - Primary  S - Secondary	M ID 1/1	2	310	O	4	25	4	2355	LH202	983	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	
22-05		HAZMAT - Reportable Quantity ELEMENT CONDITION: Required if necessary to indicate a reportable quantity is present in the shipment. For empty packagings or units containing the residue of a hazardous material, reference 49 CFR 172.203(e). RQ - Reportable Quantity	C	ID	2/2	2	310	O	4	25	4	2355	LH205	759	O ID 2/2
22-06		HAZMAT Flashpoint Temperature Code ELEMENT CONDITION: Required if LH207 is used. FA - Fahrenheit	C	ID	2/2	2	310	O	4	25	4	2355	LH206	355	C ID 2/2
22-07		HAZMAT Flashpoint Temperature ELEMENT CONDITION: Required if LH206 is used.	C	R	1/4	2	310	O	4	25	4	2355	LH207	408	C R 1/4
23		<b>S5 SEGMENT - Delivery Location Loop</b> LOOP CONDITION: This S5 loop describes shipment delivery information and delivery location. It may be repeated if shipment units are delivered to multiple locations.	C			2	010	O	1	99	1	2000	See X12 Standards for explanation of syntax notes. P0304P0506P0708		
23-01		Stop Sequence Number Per usage note in previous S5 segment, enter value two (2) and increment by one for each successive S5 segment.	M	NO	1/3	2	010	O	1	99	1	2000	S501	165	M NO 1/3
23-02		Stop Reason Code UL - Unload	M	ID	2/2	2	010	O	1	99	1	2000	S502	163	M ID 2/2
24		<b>G62 SEGMENT - Mandatory Delivery Date</b>	M			2	020	O	2	99	1	2000	See X12 Standards for explanation of syntax notes. R0103P0102P0304		
24-01		Mandatory Delivery Date Qualifier CHANGE NOTE: Code value changed to '67' per DM 637. 67 - Delivered By This Date Use '67' to denote Mandatory Delivery Date (MDD).	M	ID	2/2	2	020	O	2	99	1	2000	G6201	432	C ID 2/2
24-02		Mandatory Delivery Date Format is CCYYMMDD.	M	DT	8/8	2	020	O	2	99	1	2000	G6202	373	C DT 8/8

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
24-03		Time Qualifier ELEMENT CONDITION: Required if G6204 is used.  G - Earliest Requested Deliver Time  L - Latest Requested Delivery Time  X - Scheduled Delivery Time	C	ID	1/1	2	020	O	2	99	1	2000	G6203	176	C ID 1/2
24-04		Time Format = "HHMM"  CHANGE NOTE: Data Element name changed per DM 737.	C	TM	4/4	2	020	O	2	99	1	2000	G6204	337	C TM 4/8
24-05		Time Code CHANGE NOTE: User note corrected per DM 733.  ELEMENT CONDITION: Required if G6204 is used.  SOURCE: ISO 8601 available from American National Standards Institute  LT - Local Time  UT - Universal Time Coordinate	C	ID	2/2	2	020	O	2	99	1	2000	G6205	623	O ID 2/2
25		<b>N1 SEGMENT - Ship-to (ST)</b>	M			2	050	O	1	1	2	2100			See X12 Standards for explanation of syntax notes. R0203P0304
25-01		Ship-to (ST) Name Qualifier ST - Ship To	M	ID	2/2	2	050	O	1	1	2	2100	N101	98	M ID 2/3
25-02		Ship-to (ST) Name	M	AN	1/60	2	050	O	1	1	2	2100	N102	93	C AN 1/60
25-03		DoDAAC/CAGE Qualifier 10 - Department of Defense Activity Address Code (DODAAC)  33 - Commercial and Government Entity (CAGE)	M	ID	2/2	2	050	O	1	1	2	2100	N103	66	C ID 1/2
25-04		Ship-to (ST) Identification Code	M	AN	5/6	2	050	O	1	1	2	2100	N104	67	C AN 2/80
26		<b>N2 SEGMENT - Additional Ship-to (ST) Name</b> SEGMENT CONDITION: Use when Additional Ship-to Name applies.	C			2	060	O	1	1	2	2100			
26-01		Additional Ship-to (ST) Name	M	AN	1/60	2	060	O	1	1	2	2100	N201	93	M AN 1/60

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
27		<b>N3 SEGMENT - Ship-to (ST) Street Address</b>	M	2	070	O	2	1	2	2100				
27-01		Ship-to (ST) Street Address	M AN 1/55	2	070	O	2	1	2	2100	N301	166	M AN	1/55
28		<b>N4 SEGMENT - Ship-to (ST) City Name and State/ZIP Codes</b>	M	2	080	O	1	1	2	2100				
See X12 Standards for explanation of syntax notes. C0605														
28-01		Ship-to (ST) City Name	M AN 2/30	2	080	O	1	1	2	2100	N401	19	O AN	2/30
28-02		Ship-to (ST) State Code SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	M ID 2/2	2	080	O	1	1	2	2100	N402	156	O ID	2/2
28-03		Ship-to (ST) ZIP 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	M ID 5/9	2	080	O	1	1	2	2100	N403	116	O ID	3/15
29		<b>PER SEGMENT - Ship To Point of Contact</b>	C	2	090	O	3	1	2	2100				
SEGMENT CONDITION: Use when a contact at the destination location is needed/desired. Not used for pre-alert notices. See X12 Standards for explanation of syntax notes. P0304P0506P0708														
29-01		Ship To Point of Contact Qualifier DC - Delivery Contact	M ID 2/2	2	090	O	3	1	2	2100	PER01	366	M ID	2/2
29-02		Ship To Point of Contact Name ELEMENT CONDITION: If available, data must be sent	C AN 1/60	2	090	O	3	1	2	2100	PER02	93	O AN	1/60
29-03		Telephone Number Qualifier TE - Telephone	M ID 2/2	2	090	O	3	1	2	2100	PER03	365	C ID	2/2
29-04		Telephone Number	M AN 10/80	2	090	O	3	1	2	2100	PER04	364	C AN	1/80
30		<b>LX SEGMENT - Delivery Stop-off Loop</b>	C	2	200	O	1	999	2	2300				
LOOP CONDITION: Use this loop to indicate which freight pieces will be delivered to a particular stop-off. Not needed otherwise.														
30-01		Shipment Unit Loop Number Begin with the value one (1) and increment by one for each shipment unit.	M NO 1/6	2	200	O	1	999	2	2300	LX01	554	M NO	1/6

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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		
31		<b>LCT SEGMENT - Shipment Unit at Stop-off</b>	M	2	210	O	1	999	2	2300					
				See X12 Standards for explanation of syntax notes. P0405L06070809C0706C0806C0906P1011											
31-01		Shipment Unit TCN Use lead TCN of freight piece (container TCN, lead TCN, pallet TCN, etc.) for the shipment unit at this stop-off.	M AN 17/17	2	210	O	1	999	2	2300	LCT01	127	M AN	1/30	
31-02		Type Pack Code Enter X12 Type Pack Code.  BOX - Box  CAS - Case  CNT - Container  CTN - Carton  PCS - Pieces  PLT - Pallet	M ID 3/3	2	210	O	1	999	2	2300	LCT02	211	M ID	3/3	
32		<b>L3 SEGMENT - Shipment Totals</b>	M	3	010	M	1								
				See X12 Standards for explanation of syntax notes. P0102P0304P0910C1201P1415											
32-01		Total Shipment Weight	M R 1/10	3	010	M	1					L301	81	C R	1/10
32-02		Weight Qualifier Use code value 'G' only if requesting movement for a stuffed container or loaded trailer.  FR - Freight Weight  G - Gross Weight	M ID 1/2	3	010	M	1					L302	187	C ID	1/2
32-09		Total Shipment Volume	M R 1/8	3	010	M	1					L309	183	C R	1/8
32-10		Volume Unit Qualifier E - Cubic Feet	M ID 1/1	3	010	M	1					L310	184	C ID	1/1
32-11		Total Shipment Units	M NO 1/7	3	010	M	1					L311	80	O NO	1/7
32-12		Units Qualifier Qualifies weight value in L301.  L - Pounds	M ID 1/1	3	010	M	1					L312	188	O ID	1/1

DoD INFORMATION				X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
33		<b>SE SEGMENT - DTCI Transportation Service Request Trailer</b>	M	3	020	M	1							
33-01		Number of Included Segments	M N0 1/10	3	020	M	1				SE01	96	M N0	1/10
33-02		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	020	M	1				SE02	329	M AN	4/9

## Section 6.0

### APPLICATION CODE LISTS

## 5-13 -- Accessorial/Special Handling Request Description

Data Value - Definition
045 - Advancing Charges
405 - (1) Fuel Surcharge (for Tailored Transportation Contract Traffic Shipments and Air Shipments) (2) Fuel Adjustment (for Motor Shipments)
520 - (1) Overdimensional (Air Shipments), (2) Overdimension Permit (Motor Shipments)
675 - (1) Signature and Tally Record Service (for Tailored Transportation Contract Traffic Shipments and Air Shipments), (2) Signature Tally (for Motor Shipments)
AAS - (1) Attendants Accompanying (for Rail Shipments), (2) Attendants for Rail Shipments (for Tailored Transportation Contract Traffic Shipments)
AFN - [Migration Code] Air Craft Furnished and Not Used
AIR - [Migration Code] Air
ARG - Rail Armed Guard Service
BLK - Blocking and Bracing Charge
BUA - Bunker Adjustment
CCS - Carrier Caboose Charge
CFC - Customs Fees - Container Level
CGC - Carrier Guard Cars
CGR - Government Caboose/Guard Cars Returned
CHN - Chains and Binders
CIS - (1) DoD Constant Surveillance Service (for Tailored Transportation Contract Traffic Shipments and for Air Shipments), (2) Constant Surveillance (for Motor Shipments)
CSP - Government Caboose Charge
CUF - Currency Adjustment Factor
DDN - (1) Dual Driver Protective Service with National Agency Check (for Air Shipments), (2) Dual Driver with National Agency Check (for Motor Shipments)
DDP - (1) Dual Driver Protective Service (for Air Shipments), (2) Dual Driver (for Motor Shipments)
DEL - Delivery Charge
DEM - Demurrage
DEP - (1) Detention: Vehicles with Power Units (for Tailored Transportation Contract Traffic Shipments), (2) Detention of Conveying Equipment and the Power Unit (for Motor Shipments)
DET - (1) Detention: Vehicles Without Power Units (for Tailored Transportation Contract Traffic Shipments), (2) Detention of Conveying Equipment Excluding the Power Unit (for Motor Shipments)
ECR - Escorts/Couriers
ECS - Empty Cars Ordered but Not Used
ELS - Extra Lights
EMT - Empty Movement
ERS - Empty Return
EVC - [Migration Code] Excess Valuation per DM 285
EXC - (1) Exclusive Use (for Rail Shipments), (2) Exclusive User of Vehicle (for Tailored Transportation Contract Traffic Shipments), (3) Exclusive Use Charge (for Motor Shipments)
EXD - Extra Driver
EXP - Expedited Service Charge
GSP - Government Guard Car Charge
GSS - Greater Security Service
HAZ - [Migration Code] Hazardous Material
HHB - [Migration Code] Handling freight not adjacent to vehicle
HOL - Sunday or Holiday Pick-up or Delivery
HRS - Heater or Refrigeration
IDC - Idler Car Charge
IMP - Impactographs
IMS - Intermodal Shipment
LIE - Cargo Liability of Carrier (Tailored Transportation Contract Traffic Shipments), (2) Liability of Carrier Charge (for Motor Shipments)
MEN - Escort Service with Overnight Subsistence
MES - Escort (standard)
MET - Escort (telephones)
MNS - Motor Surveillance (12-hour calls)
MVS - Special Motor Surveillance Charge
PER - Overweight Permit
PRL - Prelodging
PSS - (1) Protective Service Security (for Air Shipments), (2) Protective Security (without armed drivers) (for Motor Shipments)
PTS - (1) Protective Tarping for Security Purposes (for Tailored Transportation Contract Traffic Shipments), (2) Protective Tarping (for Motor Shipments)
PUD - (1) Pick-up and Delivery (for Rail Shipments), (2) Pick-up/Delivery o/t Normal Bus hours (for Tailored Transportation Contract Traffic Shipments), (3) Pickup or Delivery Before or After Normal Business Hours (for Air Shipments)
PVB - Bonded Privately Owned Vehicle Charge
RCC - (1) Reconsignment/Diversion (for Tailored Transportation Contract Traffic Shipments and Motor Shipments) , (2) Reconsignment Charge (for Air Shipments)
RCL - Redelivery
RIS - [Migration Code] Rail Inspection Service
RLS - Relocation of Vehicle
RMC - Return of Empty Container Charge
RMP - Return Movement of Pallet Charge
RSS - Restricted Speeds
RSV - Reservations
SAT - (1) Saturday Pick-up Charge (for Rail Shipments), (2) Saturday Pick-up or Delivery Charge (for Tailored Transportation Contract Traffic Shipments and Motor Shipments), (3) Saturday Pickup or Delivery (for Air Shipments)
SDL - Split Delivery
SEV - (1) Security Escort Vehicle Vehicle (for Air Shipments), Security Escort Service (for Motor Shipments)
SFT - Special Train Service
SNS - Satellite Motor Surveillance
SOC - Stop-off Charge
SPU - Split Pickup
SRG - Storage
SRS - Surveying Routes
SSR - [Migration Code] Surveying Routes
SVS - Storage of Vehicles
TMV - Tendering of Multiple Vehicles
TOW - [Migration Code] Motor Towaway Service
TPA - [Migration Code] Carrier Equipment Pool Charge
TPS - Third-Party Service
URC - (1) Loading/Unloading (for Rail Shipments and Motor Shipments), (2) Loading/Unloading by Motor Carriers (for Tailored Transportation Contract Traffic Shipments)

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## 5-13 -- Accessorial/Special Handling Request Description (CONT)

Data Value - Definition
VFN - Vehicles Furnished But Not Used VIS - Vehicles Inoperable VTS - Vehicles in Truckaway WTG - [Migration Code] Waiting Time WTV - Weight Verification Charge

## 8-22 -- Equipment Type

Data Value - Definition
8X - Pipeline
A10 - 410 Dromedary, 102" L x 75" H x 92" W, 410 cubic feet
A11 - Van, air ride, 45 ft or 48 ft, padded, equipped with electric hydraulic powered crane loading unloading system or hydraulic powered
A16 - Special Dromedary with MRO
A20 - Motor vehicle transport trailer
A30 - Removable gooseneck
A40 - Flat bed trailer, hot shot, 40 ft and over
A5 - Tractor, air ride
A50 - Van, closed, padded/logistics type, freight only, w/air ride suspension, 40 ft and over
A6 - Tractor, other than air ride
A7 - Flat bed, 30 feet and less, hooked in tandem as one unit
A8 - Van, air ride, w/temperature and humidity control
A9 - Van, closed, padded, w/air ride suspension 2nd & 3rd proviso only
AA1 - Van, closed air ride, 30 ft and less
AA2 - Van, closed air ride, 31-40 ft
AA3 - Van, closed air ride, over 40 ft
AB0 - Lowboy, level deck, 10 axles and over
AB2 - Lowboy, level deck, 2 axles
AB3 - Lowboy, level deck, 3 axles
AB4 - Lowboy, level deck, 4 axles
AB5 - Lowboy, level deck, 5 axles
AB6 - Lowboy, double drop, air ride, w/outriggers, 3 axles
AB7 - Lowboy, level deck, 7 axles
AB9 - Lowboy, level deck, 9 axles
AC2 - Expandable low bed trailer, 2 axles
AC3 - Expandable low bed trailer, 3 axles
AC4 - Expandable low bed trailer, 4 axles
AD - Regular Dromedary
AD6 - Dromedary with Mechanical Restraining Device (MRD)
AE0 - Lowboy, double drop, 10 axles and over
AE2 - Lowboy, double drop, 2 axles
AE3 - Lowboy, double drop, 3 axles
AE4 - Lowboy, double drop, 4 axles
AE5 - Lowboy, double drop, 5 axles
AE6 - Lowboy, double drop, w/outriggers, 3 axles
AE7 - Lowboy, double drop, 7 axles
AE9 - Lowboy, double drop, 9 axles
AF1 - Flat bed, 30 ft and less
AF2 - Flat bed, 31-40 ft
AF3 - Flat bed, over 40 ft
AG1 - Van, open, 30 ft and less
AG2 - Van, open, 31-40 ft
AG3 - Van, open, over 40 ft
AG4 - Tautliner Van w/Tarps, 30' or less
AG5 - Tautliner Van w/Tarps, 31' to 40'
AG6 - Tautliner Van w/Tarps, over 40'
AH2 - Drop frame trailer, drop/step deck, 2 axles
AH3 - Drop frame trailer, drop/step deck, 3 axles
AI2 - Drop frame trailer, drop/step deck, air ride, 2 axles
AI3 - Drop frame trailer, drop/step deck, air ride, 3 axles
AJO - Lowboy, level deck, air ride, 10 axles and over
AJ2 - Lowboy, level deck, air ride, 2 axles
AJ3 - Lowboy, level deck, air ride, 3 axles
AJ4 - Lowboy, level deck, air ride, 4 axles
AJ5 - Lowboy, level deck, air ride, 5 axles
AJ6 - Lowboy, level deck, air ride, w/outriggers, 3 axles
AJ7 - Lowboy, level deck, air ride, 7 axles
AJ9 - Lowboy, level deck, air ride, 9 axles
AK - Van, refrigerated, perishable food
AL2 - Extendable flat bed trailer, 2 axles
AL3 - Extendable flat bed trailer, 3 axles
AL4 - Extendable flat bed trailer, 4 axles
AM0 - Lowboy, double drop, air ride, 10 axles and over
AM2 - Lowboy, double drop, air ride, 2 axles
AM3 - Lowboy, double drop, air ride, 3 axles
AM4 - Lowboy, double drop, air ride, 4 axles
AM5 - Lowboy, double drop, air ride, 5 axles
AM6 - Lowboy, double drop, air ride, w/outriggers, 3 axles
AM7 - Lowboy, double drop, air ride, 7 axles
AM9 - Lowboy, double drop, air ride, 9 axles
AN - Adjustable tilt bed trailer
AO - Driveaway/Truckaway
AO1 - Straight truck, enclosed van, air ride, 12 ft, 5,000 lb, maximum cargo capacity
AO2 - Straight truck, enclosed van, air ride, 20 ft, 13,000 lb, maximum cargo capacity
AO3 - Straight truck, enclosed van, air ride, 12 ft, 5,000 lb, maximum cargo capacity
AO4 - Straight truck, enclosed van, air ride, 20 ft, 13,000 lb, maximum cargo capacity
AO5 - Straight truck, enclosed van, 20 ft, 13,000 lb, maximum cargo capacity, padded/logistics type, w/ air ride suspension
AO6 - Pickup truck, with cap, 18 ft. long, 500 lbs maximum cargo capacity

## 8-22 -- Equipment Type (CONT)

Data Value - Definition
AO7 - Econo van, 17 ft long, 2,000 lbs maximum cargo capacity
AO8 - Dump trailer, 28 ft long, 2 axle, hydraulic powered lift
AP - Aft steering unit
AR - Van, refrigerated, other
AS - Livestock transporter
AT1 - Tank, 5001-8000 gallons
AT2 - Tank, over 8000 gallons
AU - Container, shipper owned, environmental, temperature and humidity controlled
AV1 - Van, closed, 30 ft and less
AV2 - Van, closed, 31-40 ft
AV3 - Van, closed, over 40 ft
AV4 - Van, closed, Rollerbed, 40 ft, fixed rollers
AV5 - Van, closed, Rollerbed, 40 ft, retractable rollers
AV6 - Van, closed, Rollerbed, 45 ft and over, fixed rollers
AV7 - Van, closed, Rollerbed, 45 ft and over, retractable rollers
AV8 - Van, closed, 45 to 48 ft, 12' 4" high
AX - Flat bed, all lengths (twist lock)
AY1 - Van, closed, 30 ft and less, double type single unit
AY2 - Van, closed, 30 ft and less, hooked in tandem as one unit
AZ1 - Flat bed, air ride, 30 ft and less
AZ2 - Flat bed, air ride, 31-40 ft
AZ3 - Flat bed, air ride, over 40 ft
EE - Bus
KA - Box, automobile
KB1 - Flat, bilevel, not enclosed
KB2 - Flat, bilevel, enclosed
KC - Box, nuclear waste, DODX w/racks permanently affixed
KD - Gondola, drop ends
KE - Box, end door
KF1 - Flat, any other type, not over 70'
KF2 - Flat, any other type, over 70' but not over 90'
KG1 - Gondola, any other type, 52' hi capacity
KG2 - Gondola, any other type, 65' hi capacity
KH1 - Hopper open-top, 80 tons and less
KH2 - Hopper open-top, 100 tons, 2000 cubic feet
KH3 - Hopper, closed-top, 70 tons, 2000 cubic feet
KH4 - Hopper, closed top, 100 tons, 2929 cubic feet
KH5 - Hopper, closed-top, 100 tons, 4000 cubic feet
KH6 - Hopper, closed-top, 100 tons, 4600 cubic feet
KK1 - Refrigerator, perishable foods, not over 53' mechanical
KK2 - Refrigerator, perishable foods, over 53', but not over 61' mechanical
KL1 - Flat, trilevel, not enclosed
KL2 - Flat, trilevel, enclosed
KO1 - Box, any other type, not over 52' 6"
KO2 - Box, any other type, over 52' 6", but not over 60' 9"
KO3 - Box, any other type, over 60' 9"
KP - Box, damage prevention type
KR1 - Refrigerator, any other type, not over 53' mechanical
KR2 - Refrigerator, any other type, over 53', but not over 65' mechanical
KS - Stock
KT1 - Tank, 10,000 gallons
KT2 - Tank, 20,000 gallons
KT3 - Tank, 30,000 gallons
KU - Caboose, DODX armed guard
KW1 - TOFC car
KW2 - COFC car
KX - Box, missile, DODX w/refrigeration
KY - Flat, heavy duty
KZ1 - Flat, DODX, not over 60'
KZ2 - Flat, DODX, over 60'
KZ3 - Locomotive under own power, on own wheels
KZ4 - Locomotive not under own power, on own wheels
KZ5 - Locomotive not under own power, not on own wheels
MF - Freight Forwarder (Surface)
QA1 - Non milvan, 20 feet and less
QA2 - Non milvan, 24 feet
QA3 - Non milvan, 27 feet
QA4 - Non milvan, 35 feet
QA5 - Non milvan, 40 feet
QA6 - Non milvan, 45 feet and over
QM - MILVAN
QQ - Freight (Other than Freight Forwarder)
QU - Taxi
SS - Charter
TT - Freight Forwarder
WA - Steamship
WE - Covered barge
WG - Cylinder tank barge

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## 8-22 -- Equipment Type (CONT)

Data Value - Definition
WI - Flush deck oil barge WK - Liquid covered barge WM - Open barge WP - Special auto barge

## 17-02 -- Type Pack Code

### Data Value - Definition

BAG - Bag  
**\*\* Use 'BAG' to denote Bag, burlap or cloth.**

BAL - Bale

BBL - Barrel

BDL - Bundle

BOX - Box

BSK - Basket or hamper  
**\*\* Use 'BSK' to denote Basket.**

CAB - Cabinet

CAN - Can

CAS - Case

CBY - Carboy

CNA - Household Goods Containers, Wood  
**\*\* Use 'CNA' to denote HHG containers, wood.**

CNB - Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air  
**\*\* Use 'CNB' to denote Container, MAC-ISO, lt. wgt. 8x8x20 foot air.**

CNC - Container, Navy cargo transporter

CND - Container, commercial highway lift

CNE - Engine container

CNF - Multiwall Container Secured to Warehouse Pallet  
**\*\* Use 'CNF' to denote Multiwall container secured to warehouse plt.**

CNT - Container  
**\*\* Use 'CNT' to denote Container, other than CC, CM, CU, CW, MW, MX.**

CNX - CONEX - Container Express  
**\*\* Use 'CNX' to denote CONEX (Gov't owned container).**

COL - Coil

CRD - Cradle  
**\*\* Use 'CRD' to denote Engine cradle or dolly.**

CRT - Crate

CTN - Carton

CYL - Cylinder

DRM - Drum

DUF - Duffle Bag  
**\*\* Use 'DUF' to denote Dufflebag.**

ENV - Envelope

HPR - Hamper

KEG - Keg

LSE - Loose  
**\*\* Use 'LSE' to denote Loose, not packed.**

MLV - MILVAN - Military Van  
**\*\* Use 'MLV' to denote MILVAN.**

MSV - MSCVAN - Military Sealift Command Van  
**\*\* Use 'MSV' to denote MSCVAN.**

MXD - Mixed Type Pack  
**\*\* Use 'MXD' to denote Mixed.**

PAL - Pail

PCS - Pieces  
**\*\* Use 'PCS' to denote Piece.**

PLL - [Migration Code] 463L Air Pallet

PLT - Pallet  
**\*\* Use 'PLT' to denote Palletized unit load other than code MW.**

REL - Reel

ROL - Roll

SAK - Sack  
**\*\* Use 'SAK' to denote Sack, paper.**

SCS - Suitcase

SHT - Sheet

SKD - Skid

SKE - Skid, elevating or lift truck  
**\*\* Use 'SKE' to denote Skid, box.**

SPL - Spool

SVN - SEAVAN - Sea Van  
**\*\* Use 'SVN' to denote SEAVAN.**

TBE - Tube

TBN - Tote Bin  
**\*\* Use 'TBN' to denote SEAVAN - TOTE.**

TKR - Tank Car

TKT - Tank Truck

TRK - Trunk and Chest  
**\*\* Use 'TRK' to denote Footlocker (Trunk).**

TRU - Truck

TUB - Tub

UNT - Unit  
**\*\* Use 'UNT' to denote Unitized (use RT for unitized cargo on RORO).**

VEH - Vehicles  
**\*\* Use 'VEH' to denote Vehicle.**

VOC - Vehicle in Operating Condition

VPK - Van Pack  
**\*\* Use 'VPK' to denote Van chassis.**

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## 17-02 -- Type Pack Code (CONT)

Data Value - Definition
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WHE - On Own Wheel ** Use 'WHE' to denote RORO (roll-off, roll-on). WRP - Wrapped
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## [21.01] - HAZMAT - Unit of Measure Code

DoD Code	X12 Code	DoD Definition	LH101 Value Index 21-01
<b>AB</b>	<b>MSV</b>	<b>MSCVAN</b> <i>X12 Definition: MSCVAN - Military Sealift Command Van</i>	CH
<b>BD</b>	<b>BDL</b>	<b>Bundle</b>	BD
<b>BE</b>	<b>BAL</b>	<b>Bale</b>	BA
<b>BG</b>	<b>BAG</b>	<b>Bag, burlap, or cloth</b> <i>X12 Definition: Bag</i>	BG
<b>BL</b>	<b>BBL</b>	<b>Barrel</b>	BR
<b>BS</b>	<b>BSK</b>	<b>Basket</b> <i>X12 Definition: Basket or Hamper</i>	BS
<b>BX</b>	<b>BOX</b>	<b>Box</b>	BX
<b>CA</b>	<b>CAB</b>	<b>Cabinet</b>	
<b>CB</b>	<b>CBY</b>	<b>Carboy</b>	CB
<b>CC</b>	<b>CNA</b>	<b>HHG Containers, wood</b> <i>X12 Definition: Household Goods Container</i>	CH
<b>CL</b>	<b>COL</b>	<b>Coil</b>	CX
<b>CM</b>	<b>CNB</b>	<b>Container, MAC-ISO, lt. wgt. 8x8x20 foot air</b> <i>X12 Definition: Container</i>	CH
<b>CN</b>	<b>CAN</b>	<b>Can</b>	CN
<b>CO</b>	<b>CNT</b>	<b>Container, other than CC, CM, CU, CW, MW, MX</b> <i>X12 Definition: Container</i>	CH
<b>CR</b>	<b>CRT</b>	<b>Crate</b>	CP
<b>CS</b>	<b>CAS</b>	<b>Case</b>	CA
<b>CT</b>	<b>CTN</b>	<b>Carton</b>	CT
<b>CU</b>	<b>CNC</b>	<b>Container, Navy cargo transporter</b> <i>X12 Definition: Container</i>	CH
<b>CW</b>	<b>CND</b>	<b>Container, commercial highway lift</b> <i>X12 Definition: Container</i>	CH
<b>CY</b>	<b>CYL</b>	<b>Cylinder</b>	CL
<b>DB</b>	<b>DUF</b>	<b>Dufflebag</b> <i>X12 Definition: Duffle Bag</i>	
<b>DR</b>	<b>DRM</b>	<b>Drum</b>	DR
<b>EC</b>	<b>CNE</b>	<b>Engine Container</b>	CH
<b>ED</b>	<b>CRD</b>	<b>Engine cradle or dolly</b> <i>X12 Definition: Cradle</i>	
<b>EN</b>	<b>ENV</b>	<b>Envelope</b>	EV
<b>FK</b>	<b>TRK</b>	<b>Footlocker (Trunk)</b> <i>X12 Definition: Trunk and Chest</i>	
<b>HA</b>	<b>HPR</b>	<b>Hamper</b>	
<b>KE</b>	<b>KEG</b>	<b>Keg</b>	KE
<b>LP</b>	<b>PLL</b>	* <b>463L Pallet</b>	PF
<b>LS</b>	<b>LSE</b>	<b>Loose, not packed</b> <i>X12 Definition: Loose</i>	

\* Migration Code

<b>DoD Code</b>	<b>X12 Code</b>	<b>DoD Definition</b>	<b>LH101 Value Index 21-01</b>
<b>MW</b>	<b>CNF</b>	<b>Multiwall container secured to warehouse plt</b> <i>X12 Definition: Multiwall Container Secured to Warehouse Pallet</i>	CH
<b>MX</b>	<b>MXD</b>	<b>Mixed</b> <i>X12 Definition: Mixed Type Pack</i>	
<b>PC</b>	<b>PCS</b>	<b>Piece</b> <i>X12 Definition: Pieces</i>	PC
<b>PL</b>	<b>PAL</b>	<b>Pail</b>	PA
<b>PT</b>	<b>PLT</b>	<b>Palletized unit load other than code MW</b> <i>X12 Definition: Pallet</i>	PL
<b>RL</b>	<b>REL</b>	<b>Reel</b>	RE
<b>RO</b>	<b>ROL</b>	<b>Roll</b>	RL
<b>RT</b>	<b>WHE</b>	<b>RORO (roll-off, roll-on)</b> <i>X12 Definition: On Own Wheel</i>	
<b>SA</b>	<b>SAK</b>	<b>Sack, paper</b> <i>X12 Definition: Sack</i>	SJ
<b>SB</b>	<b>SKE</b>	<b>Skid, box</b> <i>X12 Definition: Skid</i>	
<b>SD</b>	<b>SKD</b>	<b>Skid</b>	SV
<b>SH</b>	<b>SHT</b>	<b>Sheet</b>	SH
<b>SL</b>	<b>SPL</b>	<b>Spool</b>	SO
<b>SW</b>	<b>SCS</b>	<b>Suitcase</b>	
<b>TB</b>	<b>TUB</b>	<b>Tub</b>	
<b>TC</b>	<b>TKR</b>	<b>Tank Car</b>	TK
<b>TK</b>	<b>TRU</b>	<b>Truck</b>	TK
<b>TT</b>	<b>TKT</b>	<b>Tank Truck</b>	TK
<b>TU</b>	<b>TBE</b>	<b>Tube</b>	TB
<b>UX</b>	<b>UNT</b>	<b>Unitized (use RT for unitized cargo on RORO)</b> <i>X12 Definition: Unit</i>	
<b>VC</b>	<b>VPK</b>	<b>Van chassis</b> <i>X12 Definition: Van Pack</i>	
<b>VE</b>	<b>VEH</b>	<b>Vehicle</b>	NV
<b>VO</b>	<b>VOC</b>	<b>Vehicle in Operating Condition</b>	ZZ
<b>VS</b>	<b>TBN</b>	<b>SEAVAN - TOTE</b> <i>X12 Definition: Tote Bin</i>	TE
<b>WR</b>	<b>WRP</b>	<b>Wrapped</b>	WR
<b>X1</b>	<b>CNX</b>	<b>CONEX (Gov't owned container)</b> <i>X12 Definition: CONEX - Container Express</i>	CH
<b>YB</b>	<b>MLV</b>	<b>MILVAN</b>	CH
<b>ZB</b>	<b>SVN</b>	<b>SEAVAN</b>	CH

\* Migration Code

## 21-06 -- HAZMAT - English Measurement Code

Data Value - Definition
BA - Bale
BD - Bundle
BG - Bag
BR - Barrel
BS - Basket
BX - Box
CA - Case
CB - Carboy
CH - Container
CL - Cylinder
CN - Can
CP - Crate
CT - Carton
CX - Coil
DR - Drum
EV - Envelope
KE - Keg
NV - Vehicle
PA - Pail
PC - Piece
PF - Pallet (Lift)
PL - Pallet/Unit Load
RE - Reel
RL - Roll
SH - Sheet
SJ - Sack
SO - Spool
SV - Skid
TB - Tube
TE - Tote
TK - Tank
WR - Wrap
ZZ - Mutually Defined

## 31-02 -- Type Pack Code

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

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## 31-02 -- Type Pack Code (CONT)

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