



Department
of
Defense

DoD Transportation Electronic Business (DTEB) Convention

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

VERSION 0

May 2008



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Transportation
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(DTEB) Convention

ASC X12 Transaction Set 219
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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 contracts, such as the International Heavyweight Express (IHX) 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 Defense Transportation Electronic Business (DTEB) program, 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

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

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

M ISA15 I14

Usage Indicator

M ID 1/1

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

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

Use code value as agreed upon by trading partners.

M ISA16 I15

Component Element Separator

AN 1/1

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

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

M	GS04	373	Date Date expressed as CCYYMMDD. Information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	M DT 8/8				
			Date assigned by translation software					
M	GS05	337	Time Time expressed in 24-hour clock time as follows: HHMM or HHMMSS, or HHMMSSD, or HHMMSSDD, where H – hours (00-23), M = minutes (00-59), S = integer seconds (00-59), and D = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	M TM 4/8				
			Time expressed in HHMM format assigned by translation software					
M	GS06	28	Group Control Number Assigned number originated and maintained by the sender	M N0 1/9				
			Number assigned by translation software. The sender, receiver, and all third parties should be able to maintain an audit trail of interchanges using this number.					
M	GS07	455	Responsible Agency Code Code used in conjunction with Data Element 480 to identify the issuer of the standard.	M ID 1/1				
			<table border="0" style="width: 100%;"> <tr> <td style="border-bottom: 1px solid black; width: 30%;">Code</td> <td style="border-bottom: 1px solid black;">Definition</td> </tr> <tr> <td>X</td> <td>Accredited Standards Committee X12</td> </tr> </table>	Code	Definition	X	Accredited Standards Committee X12	
Code	Definition							
X	Accredited Standards Committee X12							
M	GS08	480	Version / Release / Industry Identified Code Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by the user), if code in DE455 in GS segment is T, then other formats are allowed.	M AN 6/6				
			<table border="0" style="width: 100%;"> <tr> <td style="border-bottom: 1px solid black; width: 30%;">Code</td> <td style="border-bottom: 1px solid black;">Definition</td> </tr> <tr> <td>004010</td> <td>Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997</td> </tr> </table>	Code	Definition	004010	Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997	
Code	Definition							
004010	Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997							
			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.					

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

	<u>Ref</u> <u>Des</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	GE01	97	Number of Transaction Sets Included 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	28	Group Control Number 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

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

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Section 3.0

STANDARD IMPLEMENTATION CONVENTION

This section presents the DoD's convention for 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		
Must Use	050	MS3	Interline Information	O	99		
Must Use	060	ITA	Allowance, Charge or Service	O	20		
Not Used	070	NTE	Note/Special Instruction	O	10		
LOOP ID - 1000						99	
Not Used	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	
Must Use	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	
Must Use	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	
	370	LAD	Lading Detail	O	1	n5
	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 - Transportation Service Request Header

Data Element Summary

Ref.	Data Element	Name	Attributes
M	ST01	143 Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set	
		[2] Transaction Set Identifier Code	
		219 Logistics Service Request	
		[2] Logistics Service Request	
M	ST02	329 Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
		[3] 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: [4] B9 SEGMENT - Record Number/Purpose/Shipment Method

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
M	B901	127 Reference Identification	M AN 1/30
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
		[5] Offer Record Number	
		Enter a unique logistics identification number assigned by the originator of this transaction set.	
M	B902	353 Transaction Set Purpose Code	M ID 2/2
		Code identifying purpose of transaction set	
		[6] Transaction Set Purpose Code	
		00 Original	
		[6] Original	
		01 Cancellation	
		[6] Cancellation	
		04 Change	
		[6] Change	
>>	B903	146 Shipment Method of Payment	O ID 2/2
		Code identifying payment terms for transportation charges	
		[7] Shipment Method of Payment	
		CC Collect	
		[7] Collect	
		CD Collect on Delivery	
		[7] Collect on Delivery	
		PP Prepaid (by Seller)	
		[7] Prepaid (by Seller)	
		TP Third Party Pay	
		[7] 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: [8] 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	
		[9] Service Request Code	
		CT Contracted Services	
		[9] Contracted Services	

Segment: **MS3 Interline Information**
Position: 050
Loop:
Level: Heading
Usage: Optional (Must Use)
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: [10] MS3 SEGMENT - SCAC/Service Levels

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	MS301	140	Standard Carrier Alpha Code Standard Carrier Alpha Code [11] SCAC Enter the SCAC of the carrier. 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 [12] Routing Sequence Code B Origin/Delivery Carrier (Any Mode) [12] Origin/Delivery Carrier (Any Mode) Use 'B' to denote Satisfies X12 syntax compliance	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 [13] Service Level AE Air Express [13] Air Express Use 'AE' to denote Commercial International Air Express 1-150 lbs AF Air Freight [13] Air Freight Use 'AF' to denote Commercial International Air Express 151-300 lbs	O ID 1/2
X	MS305	156	State or Province Code	O ID 2/2

Segment:	ITA Allowance, Charge or Service
Position:	060
Loop:	
Level:	Heading
Usage:	Optional (Must Use)
Max Use:	20
Purpose:	To specify allowances, charges, or services
Syntax Notes:	<ol style="list-style-type: none"> 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required. 2 If ITA08 is present, then ITA09 is required. 3 If either ITA10 or ITA11 is present, then the other is required. 4 If ITA15 is present, then ITA02 is required. 5 If ITA17 is present, then ITA12 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 ITA09 is the allowance or charge percent. 2 ITA10 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. 3 ITA12 is the quantity of free goods.
Comments:	<ol style="list-style-type: none"> 1 If ITA01 equals "A" - allowance or "C" - charge, then at least one of ITA06, ITA07, or ITA08 must be present. 2 ITA02 identifies the source of the code value in ITA03 or ITA15. 3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence. 4 ITA13 is used to clarify the allowance, charge, or service. 5 ITA15 specifies the individual code list of the agency specified in ITA02. 6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.
Notes:	<p>[14] ITA SEGMENT - Accessorial/Special Handling Request SEGMENT CONDITION: Use when accessorial services or special handling is requested.</p> <p>[17] ITA SEGMENT - Transportation Service Level</p>

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	
		[15] Accessorial/Special Handling Request Code	
		[18] Transportation Service Code	
		A Allowance	
		[18] Allowance	
		Use 'A' to denote Transportation Service Level Information	
		S Service	
		[15] 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.	
X	ITA04	331 Allowance or Charge Method of Handling Code	M ID 2/2
		Refer to 004010 Data Element Dictionary for acceptable code values.	
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 Unit or Basis for Measurement Code	X ID 2/2

			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	ITA12	380	Quantity	X R 1/15
>>	ITA13	352	Description	X AN 1/80
			A free-form description to clarify the related data elements and their content	
			[16] Accessorial/Special Handling Request Description	
			Insert the projected accessorial services that may be required for the shipment unit.	
			SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial/Special Handling Request Description table. Common code values associated with multiple definitions prevents documentation of the entire subset.	
			Sample Values:	
			045,405,AAS,ADL,AFN,AIB,AIR,ARG,BLK,SPA,SPU,SRG,SRR,SRS,VFN,VIS,VTS,WDS,WTG,WTV	
			[19] Transportation Service Description	
			Enter the carrier-unique Transportation Service level code to describe the level of service requested for the shipment (e.g., next day air, 2nd day air).	
X	ITA14	150	Special Charge or Allowance Code	X ID 3/3
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	ITA15	822	Source Subqualifier	O AN 1/15
X	ITA16	662	Relationship Code	O ID 1/1
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	ITA17	355	Unit or Basis for Measurement Code	O ID 2/2
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **S5 Stop-off Details**
Position: 010
Loop: 2000 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
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:

[20] S5 SEGMENT - Pick-up Location This S5 loop describes shipment pickup information and pickup location.
[113] 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

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

Segment: **G62** Date/Time
Position: 020
Loop: 2000 Optional (Must Use)
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: [23] G62 SEGMENT - Requested Pick-up Date
 [116] G62 SEGMENT - Required Delivery Date
 CHANGE NOTE: Change segment usage to CONDITIONAL per DM 684.
 SEGMENT CONDITION: Use when RDD is available.

Data Element Summary

Ref.	Data Element	Name	Attributes
>>	G6201	432 Date Qualifier	X ID 2/2
		Code specifying type of date	
		[24] Requested Pick-up Date Qualifier	
		[117] Required Delivery Date Qualifier	
		CHANGE NOTE: Code value '67' added per DM 637.	
		10 Requested Ship Date/Pick-up Date	
		[24] Requested Ship Date/Pick-up Date	
		Use '10' to denote Requested Pick-up Date	
		54 Deliver No Later Than Date	
		[117] Deliver No Later Than Date	
		67 Delivered By This Date	
		[117] Delivered By This Date	
>>	G6202	373 Date	X DT 8/8
		Date expressed as CCYYMMDD	
		[25] Requested Pick-up Date	
		Format is 'CCYYMMDD'.	
		[118] Required Delivery Date	
		Format is CCYYMMDD.	
	G6203	176 Time Qualifier	X ID 1/2
		Code specifying the reported time	
		[26] Time Qualifier	
		[119] Time Qualifier	
		ELEMENT CONDITION: Required if G6202 is used.	
		8 Actual Pickup Time	
		[26] Actual Pickup Time	
		G Earliest Requested Deliver Time	
		[119] Earliest Requested Deliver Time	
		I Earliest Requested Pick Up Time	
		[26] Earliest Requested Pick Up Time	
		K Latest Requested Pick Up Time	
		[26] Latest Requested Pick Up Time	
		L Latest Requested Delivery Time	
		[119] Latest Requested Delivery Time	
		U Scheduled Pick Up Time	
		[26] Scheduled Pick Up Time	

		X	Scheduled Delivery Time	
			[119] Scheduled Delivery Time	
G6204	337	Time		X TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
			[27] Requested Pick-up Time	
			Format is HHMM.	
			[120] Required Delivery Date Pickup Time	
			Format is HHMM.	
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	
			[28] Time Code	
			ELEMENT CONDITION: Required if G6204 is present.	
			SOURCE: ISO 8601 available from American National Standards Institute	
			[121] Time Code	
			ELEMENT CONDITION: Required if G6204 is used.	
			SOURCE: ISO 8601 available from American National Standards Institute	
		LT	Local Time	
			[28] Local Time	
			[121] Local Time	
		UT	Universal Time Coordinate	
			[28] Universal Time Coordinate	
			[121] 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: [29] N1 SEGMENT - Origin (SF) Data
[122] N1 SEGMENT - Origin Port Code and Name
SEGMENT CONDITION: Required if the Origin Airport is known.
[127] N1 SEGMENT - Destination Port Code and Name
SEGMENT CONDITION: Required if the Destination Airport is known.
[132] N1 SEGMENT - Ship-to (ST)

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		[30] Origin Name Qualifier	
		[123] Origin Port Name Qualifier	
		[128] Destination Port Name Qualifier	
		[133] Ship-to (ST) Name Qualifier	
		DT Destination Terminal	
		[128] Destination Terminal	
		Use 'DT' to denote Destination Airport Name	
		OT Origin Terminal	
		[123] Origin Terminal	
		Use 'OT' to denote Origin Airport Name	
		SF Ship From	
		[30] Ship From	
		ST Ship To	
		[133] Ship To	
>>	N102	93 Name	X AN 1/60
		Free-form name	
		[31] Origin Name	
		[124] Origin Port Name	
		Enter Origin Airport Name.	
		[129] Destination Port Name	
		Enter Destination Airport Name.	
		[134] Ship-to (ST) Name	
>>	N103	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		[32] DoDAAC/CAGE Qualifier	
		[125] Origin Port Code Qualifier	
		[130] Destination Port Code Qualifier	
		[135] DoDAAC/CAGE Qualifier	
		4 International Air Transport Association (IATA)	
		[125] International Air Transport Association (IATA)	

				Use '4' to denote IATA Port Code
				[130] International Air Transport Association (IATA)
				Use '4' to denote IATA Port Code
		10		Department of Defense Activity Address Code (DODAAC)
				[32] Department of Defense Activity Address Code (DODAAC)
				[135] Department of Defense Activity Address Code (DODAAC)
		33		Commercial and Government Entity (CAGE)
				[32] Commercial and Government Entity (CAGE)
				[135] Commercial and Government Entity (CAGE)
>>	N104	67	Identification Code	X AN 2/80
			Code identifying a party or other code	
			[33] Origin DoDAAC/CAGE	
			[126] Origin Port Code	
			Enter the IATA code for the Origin Airport.	
			[131] Destination Port Code	
			Enter the IATA code for the Destination Airport.	
			[136] Ship-to (ST) Identification Code	
X	N105	706	Entity Relationship Code	O ID 2/2
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	N106	98	Entity Identifier Code	O ID 2/3
			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:

[34] N2 SEGMENT - Additional Origin Name
 SEGMENT CONDITION: Use if additional origin name applies.
 [137] 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 Free-form name	M AN 1/60
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: [36] N3 SEGMENT - Origin (SF) Street Address
 [139] 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	M AN 1/55
			[37] Origin Street Address [140] Ship-to (ST) Street Address	
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: [38] N4 SEGMENT - Origin (SF) City Name and State/ZIP Codes
[141] N4 SEGMENT - Ship-to (ST) City Name and State/ZIP Codes

Data Element Summary

Ref.	Data Element	Name	Attributes
>>	N401	19 City Name	O AN 2/30
		Free-form text for city name	
		[39] Origin City Name	
		[142] Ship-to (ST) City Name	
	N402	156 State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
		[40] Origin State Code	
		CHANGE NOTE: Change usage requirement to CONDITIONAL per DM 684.	
		SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	
		[143] Ship-to (ST) State Code	
		CHANGE NOTE: Requirement designation changed to CONDITIONAL per DM 682.	
		SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	
>>	N403	116 Postal Code	O ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
		[41] 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	
		[144] Ship-to (ST) ZIP Code	
		CHANGE NOTE: Change min/max to 3/12 per DM 684.	
		SOURCE: National ZIP Code and Post Office Directory, Publication 65 available from U.S Postal Service; The USPS Domestic Mail Manual available from New Orders Superintendent of Documents	
>>	N404	26 Country Code	O ID 2/3
		Code identifying the country	
		[42] Origin Country Code	
		Enter the ISO Country Code.	
		CHANGE NOTE: Change min/max to 2/3 per DM 684.	
		SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	
		[145] Ship To (ST) Country Code	
		Enter the ISO Country Code.	
		CHANGE NOTE: Change min/max to 2/3 per NVR DM 692. (Should have	

been included in DM 684, but was erroneously left out.)
SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute

X	N405	309	Location Qualifier	X	ID 1/2
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	N406	310	Location Identifier	O	AN 1/30

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: [43] PER SEGMENT - Shipper Point of Contact
 SEGMENT CONDITION: Use when Issuing Officer data is applicable
 [146] PER SEGMENT - Ship To Point of Contact
 SEGMENT CONDITION: Required if the Ship To Point of Contact information is available.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PER01	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
			[44] Shipper Point of Contact Qualifier	
			[147] Ship To Point of Contact Qualifier	
			IC Information Contact	
			[147] Information Contact	
			IO Issuing Officer	
			[44] Issuing Officer	
			SH Shipper Contact	
			[44] Shipper Contact	
>>	PER02	93	Name	O AN 1/60
			Free-form name	
			[45] Shipper Point of Contact Name	
			[148] Ship To Point of Contact Name	
			Enter the name of the contact.	
>>	PER03	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
			[46] Telephone Number Qualifier	
			[149] Telephone Number Qualifier	
			TE Telephone	
			[46] Telephone	
			[149] Telephone	
>>	PER04	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	
			[47] Shipper Point of Contact Telephone Number	
			Enter shipper's commercial telephone number (include area code) and any associated extension numbers.	
			[150] Ship To Point of Contact Telephone Number	
			Enter Ship To Point of Contact Commercial Telephone Number (include area code) and any associated extension numbers.	
X	PER05	365	Communication Number Qualifier	X ID 2/2
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	PER06	364	Communication Number	X AN 1/80
X	PER07	365	Communication Number Qualifier	X ID 2/2

Refer to 004010 Data Element Dictionary for acceptable code values.

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

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: [48] 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.
 [151] LX SEGMENT - Delivery Stop-off Loop

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<u>Des.</u> LX01	<u>Element</u> 554	<u>Assigned Number</u> M N0 1/6
		Number assigned for differentiation within a transaction set	
		[49] Assigned Loop Number Begin with the value one (1) and increment by one for each shipment unit.	
		[152] 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:**
- [50] LCT SEGMENT - Shipment Unit
 - [153] 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	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [51] Shipment Unit TCN Use lead TCN of shipment unit (container TCN, lead TCN, pallet TCN, etc.) for the shipment unit. [154] 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	Packaging Form Code Code for packaging form of the lading quantity [52] Type Pack Code Enter X12 Type Pack Code. [155] Type Pack Code Enter X12 Type Pack Code.	M ID 3/3
			BAG Bag [52] Bag Use 'BAG' to denote Bag, burlap or cloth [155] Bag Use 'BAG' to denote Bag, burlap or cloth	
			BAL Bale [52] Bale [155] Bale	
			BBL Barrel [52] Barrel [155] Barrel	
			BDL Bundle [52] Bundle [155] Bundle	
			BOX Box [52] Box [155] Box	
			BSK Basket or hamper [52] Basket or hamper Use 'BSK' to denote Basket	

	[155] Basket or hamper Use 'BSK' to denote Basket
CAB	Cabinet
	[52] Cabinet [155] Cabinet
CAN	Can
	[52] Can [155] Can
CAS	Case
	[52] Case [155] Case
CBY	Carboy
	[52] Carboy [155] Carboy
CNA	Household Goods Containers, Wood
	[52] Household Goods Containers, Wood Use 'CNA' to denote HHG containers, wood [155] Household Goods Containers, Wood
CNB	Container, MAC-ISO (Military Airlift Container - International Standards Organization) Light Weight 8x8x20 Foot Air An air container conforming to ISO standards
	[52] 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 [155] 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
	[52] Container, Navy cargo transporter [155] Container, Navy Cargo Transporter
CND	Container, Commercial Highway Lift
	[52] Container, commercial highway lift [155] Container, commercial highway lift
CNE	Engine Container
	[52] Engine Container [155] Engine Container
CNF	Multiwall Container Secured to Warehouse Pallet
	[52] Multiwall Container Secured to Warehouse Pallet Use 'CNF' to denote Multiwall container secured to warehouse plt [155] Multiwall Container Secured to Warehouse Pallet Use 'CNF' to denote Multiwall container secured to warehouse plt
CNT	Container
	[52] Container Use 'CNT' to denote Container, other than CC, CM, CU, CW, MW, MX [155] Container Use 'CNT' to denote Container, other than CC, CM, CU, CW, MW, MX
CNX	CONEX - Container Express An 8x8x8-foot container used for packaging and shipping military material
	[52] CONEX - Container Express

	Use 'CNX' to denote CONEX (Gov't owned container) [155] CONEX - Container Express Use 'CNX' to denote CONEX (Gov't owned container)
COL	Coil [52] Coil [155] Coil
CRD	Cradle [52] Cradle Use 'CRD' to denote Engine cradle or dolly [155] Cradle Use 'CRD' to denote Engine cradle or dolly
CRT	Crate [52] Crate [155] Crate
CTN	Carton [52] Carton [155] Carton
CYL	Cylinder [52] Cylinder [155] Cylinder
DRM	Drum A large container with a cylindrical shape; top may have removable or sealed top sides may be fiberboard or metal [52] Drum [155] Drum
DUF	Duffle Bag [52] Duffle Bag Use 'DUF' to denote Dufflebag [155] Duffle Bag Use 'DUF' to denote Dufflebag
ENV	Envelope [52] Envelope [155] Envelope
HPR	Hamper [52] Hamper [155] Hamper
KEG	Keg [52] Keg [155] Keg
LSE	Loose [52] Loose Use 'LSE' to denote Loose, not packed [155] Loose Use 'LSE' to denote Loose, not packed
MLV	MILVAN - Military Van A 20-foot transportation van that conforms to ISO standards [52] MILVAN - Military Van Use 'MLV' to denote MILVAN [155] MILVAN - Military Van Use 'MLV' to denote MILVAN
MSV	MSCVAN - Military Sealift Command Van A 35-foot transportation van [52] MSCVAN - Military Sealift Command Van Use 'MSV' to denote MSCVAN [155] MSCVAN - Military Sealift Command Van Use 'MSV' to denote MSCVAN
MXD	Mixed Type Pack

	[52] Mixed Type Pack Use 'MXD' to denote Mixed
	[155] Mixed Type Pack Use 'MXD' to denote Mixed
PAL	Pail
	[52] Pail
	[155] Pail
PCS	Pieces
	[52] Pieces Use 'PCS' to denote Piece
	[155] Pieces Use 'PCS' to denote Piece
PLL	New Code Added by IC
	[52] [Migration Code] 463L Air Pallet
	[155] 463L Air Pallet
PLT	Pallet
	[52] Pallet Use 'PLT' to denote Palletized unit load other than code MW
	[155] Pallet Use 'PLT' to denote Palletized unit load other than code MW
REL	Reel
	[52] Reel
	[155] Reel
ROL	Roll
	[52] Roll
	[155] Roll
SAK	Sack
	[52] Sack Use 'SAK' to denote Sack, paper
	[155] Sack Use 'SAK' to denote Sack, paper
SCS	Suitcase
	[52] Suitcase
	[155] Suitcase
SHT	Sheet
	[52] Sheet
	[155] Sheet
SKD	Skid
	[52] Skid
	[155] Skid
SKE	Skid, elevating or lift truck
	[52] Skid, elevating or lift truck Use 'SKE' to denote Skid, box
	[155] Skid, elevating or lift truck Use 'SKE' to denote Skid, box
SPL	Spool
	[52] Spool
	[155] Spool
SVN	SEAVAN - Sea Van
	A commercial or military 40-foot transportation container that conforms to ISO standards
	[52] SEAVAN - Sea Van Use 'SVN' to denote SEAVAN
	[155] SEAVAN - Sea Van Use 'SVN' to denote SEAVAN
TBE	Tube

	[52] Tube
	[155] Tube
TBN	Tote Bin
	[52] Tote Bin
	Use 'TBN' to denote SEAVAN - TOTE
	[155] Tote Bin
	Use 'TBN' to denote SEAVAN - TOTE
TKR	Tank Car
	[52] Tank Car
	[155] Tank Car
TKT	Tank Truck
	[52] Tank Truck
	[155] Tank Truck
TRK	Trunk and Chest
	[52] Trunk and Chest
	Use 'TRK' to denote Footlocker (Trunk)
	[155] Trunk and Chest
	Use 'TRK' to denote Footlocker (Trunk)
TRU	Truck
	[52] Truck
	[155] Truck
TUB	Tub
	[52] Tub
	[155] Tub
UNT	Unit
	[52] Unit
	Use 'UNT' to denote Unitized (use RT for unitized cargo on RORO)
	[155] Unit
	Use 'UNT' to denote Unitized (use RT for unitized cargo on RORO)
VEH	Vehicles
	[52] Vehicles
	Use 'VEH' to denote Vehicle
	[155] Vehicles
	Use 'VEH' to denote Vehicle
VOC	New Code Added by IC
	[52] Vehicle in Operating Condition
	[155] Vehicle in Operating Condition
VPK	Van Pack
	[52] Van Pack
	Use 'VPK' to denote Van chassis
	[155] Van Pack
	Use 'VPK' to denote Van chassis
WHE	On Own Wheel
	[52] On Own Wheel
	Use 'WHE' to denote RORO (roll-off, roll-on)
	[155] On Own Wheel
	Use 'WHE' to denote RORO (roll-off, roll-on)
WRP	Wrapped
	[52] Wrapped
	[155] Wrapped

LCT03 352 Description O AN 1/80

A free-form description to clarify the related data elements and their content

[53] Description
If the shipment unit is a consolidation, enter value 'MIXED CARGO'.
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.	
>>	LCT04	188	Weight Unit Code	X ID 1/1
			Code specifying the weight unit	
			[54] Shipment Unit Weight Qualifier	
		K	Kilograms	
			[54] Kilograms	
		L	Pounds	
			[54] Pounds	
>>	LCT05	395	Unit Weight	X R 1/8
			Numeric value of weight per unit	
			[55] Shipment Unit Weight	
	LCT06	90	Measurement Unit Qualifier	X ID 1/1
			Code specifying the linear dimensional unit	
			[56] Shipment Unit Measurement Unit Qualifier	
			ELEMENT CONDITION: Provide if available.	
		C	Centimeters	
			[56] Centimeters	
		E	Feet	
			[56] Feet	
		N	Inches	
			[56] Inches	
		X	Meters	
			[56] Meters	
	LCT07	82	Length	X R 1/8
			Largest horizontal dimension of an object measured when the object is in the upright position	
			[57] Shipment Unit Length	
			ELEMENT CONDITION: Provide if available.	
	LCT08	189	Width	X R 1/8
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position	
			[58] Shipment Unit Width	
			ELEMENT CONDITION: Provide if available.	
	LCT09	65	Height	X R 1/8
			Vertical dimension of an object measured when the object is in the upright position	
			[59] Shipment Unit Height	
			ELEMENT CONDITION: Provide if available.	
>>	LCT10	184	Volume Unit Qualifier	X ID 1/1
			Code identifying the volume unit	
			[60] Shipment Unit Volume Unit Qualifier	
		E	Cubic Feet	
			[60] Cubic Feet	
		X	Cubic Meters	
			[60] Cubic Meters	
>>	LCT11	183	Volume	X R 1/8
			Value of volumetric measure	
			[61] Shipment Unit Volume	
X	LCT12	399	Pallet Exchange Code	O ID 1/1
			Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **AMT** Monetary Amount
Position: 240
Loop: 2300 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:
Notes: [62] AMT SEGMENT - Customs Value

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	AMT01	522	Amount Qualifier Code Code to qualify amount [63] Customs Value Qualifier 22 Owner's Estimate of Value Amount [63] Owner's Estimate of Value Amount Use '22' to denote Customs Value of the Shipment Unit	M ID 1/3
M	AMT02	782	Monetary Amount Monetary amount [64] Customs Value Enter in US Dollars the value of the shipment unit for customs purposes.	M R 1/18
X	AMT03	478	Credit/Debit Flag Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1

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:

[65] L11 SEGMENT - Transportation Tracking Number
 SEGMENT CONDITION: Required if express carrier Tracking Numbers are assigned to the shipment.

[68] L11 SEGMENT - Airway Bill Number
 SEGMENT CONDITION: Required if airway bill number is known.

[71] L11 SEGMENT - Carton Control Number (CCN)
 SEGMENT CONDITION: Required if CCN is known.

[74] L11 SEGMENT - Account Number
 SEGMENT CONDITION: Required if the shipper has an account established with the carrier.

[77] L11 SEGMENT - Shipper EIN
 SEGMENT CONDITION: Required if a Shipper Export Declaration is required.

[80] L11 SEGMENT - Export License Number
 SEGMENT CONDITION: Required if a Shipper Export Declaration is required.

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

[86] 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>
>>	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	
		[66] Transportation Tracking Number Enter the Transportation Tracking Number.	
		[69] Airway Bill Number Enter the Airway Bill Number.	
		[72] CCN Enter the CCN.	
		[75] Account Number Enter the Account Number.	
		[78] Shipper EIN Enter the EIN.	
		[81] Export License Number Enter the Export License Number.	
		[84] Special Handling Minimum Temperature Allowed Enter minimum temperature (in Fahrenheit) at which freight may be kept.	
		[87] 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	
		[67] Transportation Tracking Number Qualifier	
		[70] Airway Bill Number Qualifier	
		[73] CCN Qualifier	
		[76] Account Number Qualifier	

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: [89] G61 SEGMENT - Emergency Contact
Repeat this segment as required to pass two emergency phone numbers, one for commercial and the other toll free.
SEGMENT CONDITION: Used only if shipment contains hazardous materials.

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	
		[90] Emergency Contact Qualifier	
		EM Emergency Contact	
		[90] Emergency Contact	
M	G6102	93 Name	M AN 1/60
		Free-form name	
		[91] Emergency Contact Name	
	G6103	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		[92] Telephone Number Qualifier	
		AP Alternate Telephone	
		[92] Alternate Telephone	
		Use 'AP' to denote Toll-free Emergency Number	
		TE Telephone	
		[92] 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	
		[93] 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: [94] LH1 SEGMENT - HAZMAT Quantities
 SEGMENT CONDITION: Required if the shipment contains hazardous material.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
M	LH101	355 Unit or Basis for Measurement Code	M ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
		[95] 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.	
		BA Bale	
		[95] Bale	
		BD Bundle	
		[95] Bundle	
		BG Bag	
		[95] Bag	
		BR Barrel	
		[95] Barrel	
		BS Basket	
		[95] Basket	
		BX Box	
		[95] Box	
		CA Case	
		[95] Case	
		CB Carboy	
		[95] Carboy	
		CH Container	
		[95] Container	
		CL Cylinder	
		[95] Cylinder	
		CN Can	
		[95] Can	
		CP Crate	
		[95] Crate	
		CT Carton	
		[95] Carton	
		CX Coil	

	[95] Coil
DR	Drum
	[95] Drum
EV	Envelope
	[95] Envelope
KE	Keg
	A unit of weight equal to 100 pounds, used for nails
	[95] Keg
NV	Vehicle
	[95] Vehicle
PA	Pail
	[95] Pail
PC	Piece
	[95] Piece
PF	Pallet (Lift)
	[95] Pallet (Lift)
PL	Pallet/Unit Load
	[95] Pallet/Unit Load
RE	Reel
	[95] Reel
RL	Roll
	[95] Roll
SH	Sheet
	[95] Sheet
SJ	Sack
	[95] Sack
SO	Spool
	[95] Spool
SV	Skid
	[95] Skid
TB	Tube
	[95] Tube
TE	Tote
	[95] Tote
TK	Tank
	[95] Tank
WR	Wrap
	[95] Wrap
ZZ	Mutually Defined
	[95] Mutually Defined

M LH102 80 Lading Quantity M N0 1/7

Number of units (pieces) of the lading commodity

[96] HAZMAT - Lading Quantity

Contains the number of units (pieces) of the lading commodity that is Hazardous. Reference 49 CFR 172.202(c).

>> LH103 277 UN/NA Identification Code O ID 6/6

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

[97] 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			
X	LH104	200	Hazardous Materials Page O AN 1/6
X	LH105	22	Commodity Code O AN 1/30
	LH106	355	Unit or Basis for Measurement Code O ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
			[98] 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. Refer to 004010 Data Element Dictionary for acceptable code values.
	LH107	380	Quantity O R 1/15
			Numeric value of quantity
			[99] 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.
X	LH108	595	Compartment ID Code O ID 1/1
			Refer to 004010 Data Element Dictionary for acceptable code values.
	LH109	665	Residue Indicator Code O ID 1/1
			Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded
			[100] HAZMAT - Residue Indicator Code
			R Residue Last Contained Description (Tank Car)
			[100] 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).
	LH110	254	Packing Group Code O ID 1/3
			Code indicating degree of danger in terms of Roman number I, II or III
			[101] 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
X	LH111	1375	Interim Hazardous Material Regulatory Number O AN 1/5

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: [102] 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 [103] HAZMAT - Hazardous Class/Division Identify the hazard class or division prescribed for the material as shown in column 3 of 49 CFR Table 172.101. If there is no hazard class or division, use the code in that column, such as ORM-D (Other Regulated Material), reference 49 CFR 173.2. If there is a subsidiary hazard but no hazard class or division, use code value 'NA'. A material for which the entry in this column is 'Forbidden' may not be offered for transportation nor be transported. This segment needs to be repeated for each subsidiary hazard. SOURCE: 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 [104] 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 [104] Primary S Secondary [104] 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 [105] HAZMAT - Reportable Quantity For empty packagings or units containing the residue of a hazardous material, reference 49 CFR 172.203(e). ELEMENT CONDITION: Required if necessary to indicate a reportable quantity is present in the shipment. RQ Reportable Quantity [105] 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

[106] HAZMAT Flashpoint Temperature Code

ELEMENT CONDITION: Required if LH207 is used.

FA Fahrenheit

[106] Fahrenheit

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

Segment: **LAD** Lading Detail
Position: 370
Loop: 2370 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit detailed lading data pertinent to a pickup or delivery
Syntax Notes:

- 1 If either LAD01 or LAD02 is present, then the other is required.
- 2 If either LAD03 or LAD04 is present, then the other is required.
- 3 If either LAD05 or LAD06 is present, then the other is required.
- 4 If either LAD07 or LAD08 is present, then the other is required.
- 5 If either LAD09 or LAD10 is present, then the other is required.
- 6 If either LAD11 or LAD12 is present, then the other is required.

Semantic Notes:

Comments:

Notes:

[108] LAD SEGMENT - Syntax Segment
 SEGMENT CONDITION: Segment must be used if PO4 segment is used., satisfying X12 syntax rule.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
X	LAD01	211 Packaging Form Code	X ID 3/3
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	LAD02	80 Lading Quantity	X N0 1/7
X	LAD03	188 Weight Unit Code	X ID 1/1
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	LAD04	395 Unit Weight	X R 1/8
X	LAD05	188 Weight Unit Code	X ID 1/1
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	LAD06	81 Weight	X R 1/10
X	LAD07	235 Product/Service ID Qualifier	X ID 2/2
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	LAD08	234 Product/Service ID	X AN 1/48
X	LAD09	235 Product/Service ID Qualifier	X ID 2/2
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	LAD10	234 Product/Service ID	X AN 1/48
X	LAD11	235 Product/Service ID Qualifier	X ID 2/2
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	LAD12	234 Product/Service ID	X AN 1/48
>>	LAD13	79 Lading Description	O AN 1/50
		Description of an item as required for rating and billing purposes	

[109] Required Data Element
 Enter value '1' to satisfy X12 syntax requirement.

Segment:	PO4 Item Physical Details
Position:	380
Loop:	2370 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the physical qualities, packaging, weights, and dimensions relating to the item
Syntax Notes:	<ol style="list-style-type: none"> 1 If either PO402 or PO403 is present, then the other is required. 2 If PO405 is present, then PO406 is required. 3 If either PO406 or PO407 is present, then the other is required. 4 If either PO408 or PO409 is present, then the other is required. 5 If PO410 is present, then PO413 is required. 6 If PO411 is present, then PO413 is required. 7 If PO412 is present, then PO413 is required. 8 If PO413 is present, then at least one of PO410 PO411 or PO412 is required. 9 If PO417 is present, then PO416 is required. 10 If PO418 is present, then PO404 is required.
Semantic Notes:	<ol style="list-style-type: none"> 1 PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package. 2 PO416 is the package identifier or the beginning package identifier in a range of identifiers. 3 PO417 is the ending package identifier in a range of identifiers. 4 PO418 is the number of packages in this layer.
Comments:	<ol style="list-style-type: none"> 1 PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ". 2 PO413 defines the unit of measure for PO410, PO411, and PO412.
Notes:	[110] PO4 SEGMENT - Dimensional Weight SEGMENT CONDITION: Required if Dimensional Weight applies to the shipment.

Data Element Summary

Ref.	Data	Attributes
<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>Attributes</u>
X	PO401 356 Pack	O N0 1/6
X	PO402 357 Size	X R 1/8
X	PO403 355 Unit or Basis for Measurement Code	X ID 2/2
	Refer to 004010 Data Element Dictionary for acceptable code values.	
X	PO404 103 Packaging Code	X AN 3/5
	Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	PO405 187 Weight Qualifier	O ID 1/2
	Code defining the type of weight	
	[111] Dimensional Weight Qualifier	
	A1	Dimensional Weight
		[111] Dimensional Weight
>>	PO406 384 Gross Weight per Pack	X R 1/9
	Numeric value of gross weight per pack	
	[112] Dimensional Weight	
	Enter the Dimensional Weight of the shipment unit.	
X	PO407 355 Unit or Basis for Measurement Code	X ID 2/2
	Refer to 004010 Data Element Dictionary for acceptable code values.	
X	PO408 385 Gross Volume per Pack	X R 1/9
X	PO409 355 Unit or Basis for Measurement Code	X ID 2/2
	Refer to 004010 Data Element Dictionary for acceptable code values.	

X	PO410	82	Length	X	R 1/8
X	PO411	189	Width	X	R 1/8
X	PO412	65	Height	X	R 1/8
X	PO413	355	Unit or Basis for Measurement Code	X	ID 2/2
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	PO414	810	Inner Pack	O	N0 1/6
X	PO415	752	Surface/Layer/Position Code	O	ID 2/2
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	PO416	350	Assigned Identification	X	AN 1/20
X	PO417	350	Assigned Identification	O	AN 1/20
X	PO418	1470	Number	O	N0 1/9

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: [156] L3 SEGMENT - Shipment Totals

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	L301	81 Weight	X R 1/10
		Numeric value of weight	
		[157] Total Shipment Weight	
>>	L302	187 Weight Qualifier	X ID 1/2
		Code defining the type of weight	
		[158] Weight Qualifier	
		G Gross Weight	
		[158] Gross Weight	
X	L303	60 Freight Rate	X R 1/9
X	L304	122 Rate/Value Qualifier	X ID 2/2
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	L305	58 Charge	O N2 1/12
X	L306	191 Advances	O N2 1/9
X	L307	117 Prepaid Amount	O N2 1/9
X	L308	150 Special Charge or Allowance Code	O ID 3/3
		Refer to 004010 Data Element Dictionary for acceptable code values.	
>>	L309	183 Volume	X R 1/8
		Value of volumetric measure	
		[159] Total Shipment Volume	
>>	L310	184 Volume Unit Qualifier	X ID 1/1
		Code identifying the volume unit	
		[160] Volume Unit Qualifier	
		E Cubic Feet	
		[160] Cubic Feet	
>>	L311	80 Lading Quantity	O N0 1/7
		Number of units (pieces) of the lading commodity	
		[161] Total Shipment Units	
>>	L312	188 Weight Unit Code	O ID 1/1
		Code specifying the weight unit	
		[162] Units Qualifier	
		Qualifies weight value in L301.	
		L Pounds	
		[162] 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: [163] SE SEGMENT - 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	Number of Included Segments	M N0 1/10
			Total number of segments included in a transaction set including ST and SE segments	
			[164] Number of Included Segments	
			Total number of segments included in a transaction set including ST and SE segments.	
M	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	
			[165] 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.

DoD INFORMATION				X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
1		ST SEGMENT - Transportation Service Request Header	M	1	010	M	1							
2		Transaction Set Identifier Code 219 - Logistics Service Request	M ID 3/3	1	010	M	1				ST01	143	M ID	3/3
3		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
4		B9 SEGMENT - Record Number/Purpose/Shipment Method	M	1	020	M	1							
5		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
6		Transaction Set Purpose Code 00 - Original 01 - Cancellation 04 - Change	M ID 2/2	1	020	M	1				B902	353	M ID	2/2
7		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
8		B9A SEGMENT - Service Request Code	M	1	030	M	7							
9		Service Request Code CT - Contracted Services	M ID 2/2	1	030	M	7				B9A01	1644	M ID	2/2
10		MS3 SEGMENT - SCAC/Service Levels	M	1	050	O	99							

See X12 Standards for explanation of syntax notes. C0503

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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		
11		SCAC Enter the SCAC of the carrier. 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
12		Routing Sequence Code B - Origin/Delivery Carrier (Any Mode) <i>Use 'B' to denote Satisfies X12 syntax compliance.</i>	M	ID	1/1	1	050	O	99			MS302	133	M	ID	1/2
13		Service Level AE - Air Express <i>Use 'AE' to denote Commercial International Air Express 1-150 lbs.</i> AF - Air Freight <i>Use 'AF' to denote Commercial International Air Express 151-300 lbs.</i>	M	ID	2/2	1	050	O	99			MS304	91	O	ID	1/2
14		ITA SEGMENT - Accessorial/Special Handling Request SEGMENT CONDITION: Use when accessorial services or special handling is requested.	C			1	060	O	20							
																See X12 Standards for explanation of syntax notes. L02031314C0809P1011C1502C1712
15		Accessorial/Special Handling Request Code S - Service	M	ID	1/1	1	060	O	20			ITA01	248	M	ID	1/1
16		Accessorial/Special Handling Request Description Insert the projected accessorial services that may be required for the shipment unit. SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial/Special Handling Request Description table. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: 045, 405, AAS, ADL, AFN, AIB, AIR, ARG, BLK, SPA, SPU, SRG, SRR, SRS, VFN, VIS, VTS, WDS, WTG, WTV	M	AN	3/3	1	060	O	20			ITA13	352	C	AN	1/80
17		ITA SEGMENT - Transportation Service Level	M			1	060	O	20							
																See X12 Standards for explanation of syntax notes. L02031314C0809P1011C1502C1712
18		Transportation Service Code A - Allowance <i>Use 'A' to denote Transportation Service Level Information.</i>	M	ID	1/1	1	060	O	20			ITA01	248	M	ID	1/1
19		Transportation Service Description Enter the carrier-unique Transportation Service level code to describe the level of service requested for the shipment (e.g., next day air, 2nd day air).	M	AN	1/3	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	
20		S5 SEGMENT - Pick-up Location This S5 loop describes shipment pickup information and pickup location.	M		2	010	O	1	99	1	2000			See X12 Standards for explanation of syntax notes. P0304P0506P0708	
21		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
22		Stop Reason Code LD - Load	M	ID 2/2	2	010	O	1	99	1	2000	S502	163	M	ID 2/2
23		G62 SEGMENT - Requested Pick-up Date	M		2	020	O	2	99	1	2000			See X12 Standards for explanation of syntax notes. R0103P0102P0304	
24		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
25		Requested Pick-up Date Format is 'CCYYMMDD'.	M	DT 8/8	2	020	O	2	99	1	2000	G6202	373	C	DT 8/8
26		Time Qualifier 8 - Actual Pickup Time 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
27		Requested Pick-up Time Format is HHMM.	C	TM 4/4	2	020	O	2	99	1	2000	G6204	337	C	TM 4/8
28		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
29		N1 SEGMENT - Origin (SF) Data	M		2	050	O	1	1	2	2100			See X12 Standards for explanation of syntax notes. R0203P0304	
30		Origin Name Qualifier SF - Ship From	M	ID 2/2	2	050	O	1	1	2	2100	N101	98	M	ID 2/3

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
31		Origin Name	C	AN	1/60	2	050	O	1	1	2	2100	N102	93	C AN 1/60
32		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
33		Origin DoDAAC/CAGE	M	AN	5/6	2	050	O	1	1	2	2100	N104	67	C AN 2/80
34		N2 SEGMENT - Additional Origin Name SEGMENT CONDITION: Use if additional origin name applies.	C			2	060	O	1	1	2	2100			
35		Additional Origin Name	M	AN	1/60	2	060	O	1	1	2	2100	N201	93	M AN 1/60
36		N3 SEGMENT - Origin (SF) Street Address	M			2	070	O	2	1	2	2100			
37		Origin Street Address	M	AN	1/55	2	070	O	2	1	2	2100	N301	166	M AN 1/55
38		N4 SEGMENT - Origin (SF) City Name and State/ZIP Codes	M			2	080	O	1	1	2	2100			
															See X12 Standards for explanation of syntax notes. C0605
39		Origin City Name	M	AN	2/30	2	080	O	1	1	2	2100	N401	19	O AN 2/30
40		Origin State Code CHANGE NOTE: Change usage requirement to CONDITIONAL per DM 684. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	2	080	O	1	1	2	2100	N402	156	O ID 2/2
41		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
42		Origin Country Code Enter the ISO Country Code. CHANGE NOTE: Change min/max to 2/3 per DM 684. SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	M	ID	2/3	2	080	O	1	1	2	2100	N404	26	O ID 2/3

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
43		PER SEGMENT - Shipper Point of Contact SEGMENT CONDITION: Use when Issuing Officer data is applicable	C	2	090	O	3	1	2	2100					
				See X12 Standards for explanation of syntax notes. P0304P0506P0708											
44		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	
45		Shipper Point of Contact Name	C AN 1/60	2	090	O	3	1	2	2100	PER02	93	O	AN 1/60	
46		Telephone Number Qualifier TE - Telephone	C ID 2/2	2	090	O	3	1	2	2100	PER03	365	C	ID 2/2	
47		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	
48		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.	M	2	200	O	1	999	2	2300					
49		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	
50		LCT SEGMENT - Shipment Unit	M	2	210	O	1	999	2	2300					
				See X12 Standards for explanation of syntax notes. P0405L06070809C0706C0806C0906P1011											
51		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	
52		Type Pack Code Enter X12 Type Pack Code. 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	
53		Description If the shipment unit is a consolidation, enter value 'MIXED CARGO'. 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.	C AN 1/80	2	210	O	1	999	2	2300	LCT03	352	O	AN 1/80	

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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			
54		Shipment Unit Weight Qualifier K - Kilograms L - Pounds	M	ID	1/1	2	210	O	1	999	2	2300	LCT04	188	C	ID	1/1
55		Shipment Unit Weight	M	R	1/8	2	210	O	1	999	2	2300	LCT05	395	C	R	1/8
56		Shipment Unit Measurement Unit Qualifier ELEMENT CONDITION: Provide if available. C - Centimeters E - Feet N - Inches X - Meters	C	ID	1/1	2	210	O	1	999	2	2300	LCT06	90	C	ID	1/1
57		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
58		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
59		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
60		Shipment Unit Volume Unit Qualifier E - Cubic Feet X - Cubic Meters	M	ID	1/1	2	210	O	1	999	2	2300	LCT10	184	C	ID	1/1
61		Shipment Unit Volume	M	R	1/8	2	210	O	1	999	2	2300	LCT11	183	C	R	1/8
62		AMT SEGMENT - Customs Value	M			2	240	O	1	999	2	2300					
63		Customs Value Qualifier 22 - Owner's Estimate of Value Amount <i>Use '22' to denote Customs Value of the Shipment Unit.</i>	M	ID	2/2	2	240	O	1	999	2	2300	AMT01	522	M	ID	1/3

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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	
64		Customs Value Enter in US Dollars the value of the shipment unit for customs purposes.	M R 1/18	2	240	O	1	999	2	2300	AMT02	782	M R	1/18
65		L11 SEGMENT - Transportation Tracking Number SEGMENT CONDITION: Required if express carrier Tracking Numbers are assigned to the shipment.	C	2	260	O	10	999	2	2300	See X12 Standards for explanation of syntax notes. R0103P0102			
66		Transportation Tracking Number Enter the Transportation Tracking Number.	M AN 1/30	2	260	O	10	999	2	2300	L1101	127	C AN	1/30
67		Transportation Tracking Number Qualifier 2I - Tracking Number <i>Use '2I' to denote Carrier Tracking Number.</i>	M ID 2/2	2	260	O	10	999	2	2300	L1102	128	C ID	2/3
68		L11 SEGMENT - Airway Bill Number SEGMENT CONDITION: Required if airway bill number is known.	C	2	260	O	10	999	2	2300	See X12 Standards for explanation of syntax notes. R0103P0102			
69		Airway Bill Number Enter the Airway Bill Number.	M AN 1/20	2	260	O	10	999	2	2300	L1101	127	C AN	1/30
70		Airway Bill Number Qualifier AW - Air Waybill Number	M ID 2/2	2	260	O	10	999	2	2300	L1102	128	C ID	2/3
71		L11 SEGMENT - Carton Control Number (CCN) SEGMENT CONDITION: Required if CCN is known.	C	2	260	O	10	999	2	2300	See X12 Standards for explanation of syntax notes. R0103P0102			
72		CCN Enter the CCN.	M AN 1/10	2	260	O	10	999	2	2300	L1101	127	C AN	1/30
73		CCN Qualifier ZZ - Mutually Defined <i>Use 'ZZ' to denote CCN.</i>	M ID 2/2	2	260	O	10	999	2	2300	L1102	128	C ID	2/3
74		L11 SEGMENT - Account Number SEGMENT CONDITION: Required if the shipper has an account established with the carrier.	C	2	260	O	10	999	2	2300	See X12 Standards for explanation of syntax notes. R0103P0102			
75		Account Number Enter the Account Number.	M AN 1/20	2	260	O	10	999	2	2300	L1101	127	C AN	1/30

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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	
76		Account Number Qualifier 11 - Account Number	M	ID	2/2	2	260	O	10	999	2	2300	L1102	128	C ID 2/3
77		L11 SEGMENT - Shipper EIN SEGMENT CONDITION: Required if a Shipper Export Declaration is required.	C			2	260	O	10	999	2	2300	See X12 Standards for explanation of syntax notes. R0103P0102		
78		Shipper EIN Enter the EIN.	M	AN	1/20	2	260	O	10	999	2	2300	L1101	127	C AN 1/30
79		Shipper EIN Qualifier 28 - Employee Identification Number <i>Use '28' to denote Shipper EIN.</i>	M	ID	2/2	2	260	O	10	999	2	2300	L1102	128	C ID 2/3
80		L11 SEGMENT - Export License Number SEGMENT CONDITION: Required if a Shipper Export Declaration is required.	C			2	260	O	10	999	2	2300	See X12 Standards for explanation of syntax notes. R0103P0102		
81		Export License Number Enter the Export License Number.	M	AN	1/20	2	260	O	10	999	2	2300	L1101	127	C AN 1/30
82		Export License Number Qualifier RF - Export Reference Number <i>Use 'RF' to denote Export License Number.</i>	M	ID	2/2	2	260	O	10	999	2	2300	L1102	128	C ID 2/3
83		L11 SEGMENT - Special Handling Minimum Temperature Allowed 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		
84		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
85		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
86		L11 SEGMENT - Special Handling Maximum Temperature Allowed 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		
87		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

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	
88		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
89		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.	C	2	270	O	1	99	3	2350	See X12 Standards for explanation of syntax notes. P0304			
90		Emergency Contact Qualifier EM - Emergency Contact	M ID 2/2	2	270	O	1	99	3	2350	G6101	366	M ID	2/2
91		Emergency Contact Name	M AN 1/60	2	270	O	1	99	3	2350	G6102	93	M AN	1/60
92		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
93		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
94		LH1 SEGMENT - HAZMAT Quantities SEGMENT CONDITION: Required if the shipment contains hazardous material.	C	2	300	O	1	25	4	2355				
95		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. See Section 6 for list of data values.	M ID 2/2	2	300	O	1	25	4	2355	LH101	355	M ID	2/2
96		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

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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	
97		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
98		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.	C ID 2/2	2	300	O	1	25	4	2355	LH106	355	O	ID 2/2
99		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
100		HAZMAT - Residue Indicator Code R - 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)..	C ID 1/1	2	300	O	1	25	4	2355	LH109	665	O	ID 1/1
101		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
102		LH2 SEGMENT - HAZMAT Classification 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			
103		HAZMAT - Hazardous Class/Division Identify the hazard class or division prescribed for the material as shown in column 3 of 49 CFR Table 172.101. If there is no hazard class or division, use the code in that column, such as ORM-D (Other Regulated Material), reference 49 CFR 173.2. If there is a subsidiary hazard but no hazard class or division, use code value 'NA'. A material for which the entry in this column is 'Forbidden' may not be offered for transportation nor be transported. This segment needs to be repeated for each subsidiary hazard. SOURCE: 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

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	
104		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
105		HAZMAT - Reportable Quantity For empty packagings or units containing the residue of a hazardous material, reference 49 CFR 172.203(e). ELEMENT CONDITION: Required if necessary to indicate a reportable quantity is present in the shipment. RQ - Reportable Quantity	C ID 2/2	2	310	O	4	25	4	2355	LH205	759	O ID	2/2
106		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
107		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
108		LAD SEGMENT - Syntax Segment SEGMENT CONDITION: Segment must be used if PO4 segment is used., satisfying X12 syntax rule.	C	2	370	O	1	999	3	2370	See X12 Standards for explanation of syntax notes. P0102P0304P0506P0708P0910P1112			
109		Required Data Element Enter value '1' to satisfy X12 syntax requirement.	M AN 1/1	2	370	O	1	999	3	2370	LAD13	79	O AN	1/50
110		PO4 SEGMENT - Dimensional Weight SEGMENT CONDITION: Required if Dimensional Weight applies to the shipment.	C	2	380	O	1	999	3	2370	See X12 Standards for explanation of syntax notes. P0203C0506P0607P0809C1013C1113C1213L13101112C1716C1804			
111		Dimensional Weight Qualifier A1 - Dimensional Weight	M ID 2/2	2	380	O	1	999	3	2370	PO405	187	O ID	1/2
112		Dimensional Weight Enter the Dimensional Weight of the shipment unit.	M R 1/9	2	380	O	1	999	3	2370	PO406	384	C R	1/9
113		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.	C	2	010	O	1	99	1	2000	See X12 Standards for explanation of syntax notes. P0304P0506P0708			

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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			
114		Stop Sequence Number Per usage note in previous S5 segment, enter value two (2) 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
115		Stop Reason Code UL - Unload	M	ID	2/2	2	010	O	1	99	1	2000	S502	163	M	ID	2/2
116		G62 SEGMENT - Required Delivery Date SEGMENT CONDITION: Use when RDD is available. CHANGE NOTE: Change segment usage to CONDITIONAL per DM 684.	C			2	020	O	2	99	1	2000					See X12 Standards for explanation of syntax notes. R0103P0102P0304
117		Required Delivery Date Qualifier CHANGE NOTE: Code value '67' added per DM 637. 54 - Deliver No Later Than Date 67 - Delivered By This Date	M	ID	2/2	2	020	O	2	99	1	2000	G6201	432	C	ID	2/2
118		Required Delivery Date Format is CCYYMMDD.	M	DT	8/8	2	020	O	2	99	1	2000	G6202	373	C	DT	8/8
119		Time Qualifier ELEMENT CONDITION: Required if G6202 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
120		Required Delivery Date Pickup Time Format is HHMM.	C	TM	4/4	2	020	O	2	99	1	2000	G6204	337	C	TM	4/8
121		Time Code 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
122		N1 SEGMENT - Origin Port Code and Name SEGMENT CONDITION: Required if the Origin Airport is known.	C			2	050	O	1	1	2	2100					See X12 Standards for explanation of syntax notes. R0203P0304

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes	
123		Origin Port Name Qualifier OT - Origin Terminal <i>Use 'OT' to denote Origin Airport Name.</i>	M	ID	2/2	2	050	O	1	1	2	2100	N101	98	M ID 2/3
124		Origin Port Name Enter Origin Airport Name.	M	AN	1/60	2	050	O	1	1	2	2100	N102	93	C AN 1/60
125		Origin Port Code Qualifier 4 - International Air Transport Association (IATA) <i>Use '4' to denote IATA Port Code.</i>	M	ID	1/1	2	050	O	1	1	2	2100	N103	66	C ID 1/2
126		Origin Port Code Enter the IATA code for the Origin Airport.	M	AN	3/3	2	050	O	1	1	2	2100	N104	67	C AN 2/80
127		N1 SEGMENT - Destination Port Code and Name SEGMENT CONDITION: Required if the Destination Airport is known.	C			2	050	O	1	1	2	2100	See X12 Standards for explanation of syntax notes. R0203P0304		
128		Destination Port Name Qualifier DT - Destination Terminal <i>Use 'DT' to denote Destination Airport Name.</i>	M	ID	2/2	2	050	O	1	1	2	2100	N101	98	M ID 2/3
129		Destination Port Name Enter Destination Airport Name.	M	AN	1/60	2	050	O	1	1	2	2100	N102	93	C AN 1/60
130		Destination Port Code Qualifier 4 - International Air Transport Association (IATA) <i>Use '4' to denote IATA Port Code.</i>	M	ID	1/1	2	050	O	1	1	2	2100	N103	66	C ID 1/2
131		Destination Port Code Enter the IATA code for the Destination Airport.	M	AN	3/3	2	050	O	1	1	2	2100	N104	67	C AN 2/80
132		N1 SEGMENT - Ship-to (ST)	M			2	050	O	1	1	2	2100	See X12 Standards for explanation of syntax notes. R0203P0304		
133		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
134		Ship-to (ST) Name	M	AN	1/60	2	050	O	1	1	2	2100	N102	93	C 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			
135		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
136		Ship-to (ST) Identification Code	M	AN	5/6	2	050	O	1	1	2	2100	N104	67	C	AN	2/80
137		N2 SEGMENT - Additional Ship-to (ST) Name SEGMENT CONDITION: Use when Additional Ship-to Name applies.	C			2	060	O	1	1	2	2100					
138		Additional Ship-to (ST) Name	M	AN	1/60	2	060	O	1	1	2	2100	N201	93	M	AN	1/60
139		N3 SEGMENT - Ship-to (ST) Street Address	M			2	070	O	2	1	2	2100					
140		Ship-to (ST) Street Address	M	AN	1/55	2	070	O	2	1	2	2100	N301	166	M	AN	1/55
141		N4 SEGMENT - Ship-to (ST) City Name and State/ZIP Codes	M			2	080	O	1	1	2	2100					
																	See X12 Standards for explanation of syntax notes. C0605
142		Ship-to (ST) City Name	M	AN	2/30	2	080	O	1	1	2	2100	N401	19	O	AN	2/30
143		Ship-to (ST) State Code CHANGE NOTE: Requirement designation changed to CONDITIONAL per DM 682. SOURCE: National Zip Code and Post Office Directory available from U.S. Postal Service National Information Data Center	C	ID	2/2	2	080	O	1	1	2	2100	N402	156	O	ID	2/2
144		Ship-to (ST) ZIP Code CHANGE NOTE: Change min/max to 3/12 per DM 684. 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	3/12	2	080	O	1	1	2	2100	N403	116	O	ID	3/15
145		Ship To (ST) Country Code Enter the ISO Country Code. CHANGE NOTE: Change min/max to 2/3 per NVR DM 692. (Should have been included in DM 684, but was erroneously left out.) SOURCE: Codes for Representation of Names of Countries, ISO 3166 available from American National Standards Institute; Codes for Representation of Currencies and Funds, ISO 4217 available from American National Standards Institute	M	ID	2/3	2	080	O	1	1	2	2100	N404	26	O	ID	2/3

DoD INFORMATION				X12 SEGMENT INFORMATION						X12 ELEMENT INFORMATION					
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
146		PER SEGMENT - Ship To Point of Contact SEGMENT CONDITION: Required if the Ship To Point of Contact information is available.	C	2	090	O	3	1	2	2100					
				See X12 Standards for explanation of syntax notes. P0304P0506P0708											
147		Ship To Point of Contact Qualifier IC - Information Contact <i>Use 'IC' to denote Ship To Point of Contact.</i>	M ID 2/2	2	090	O	3	1	2	2100	PER01	366	M	ID 2/2	
148		Ship To Point of Contact Name Enter the name of the contact.	M AN 1/60	2	090	O	3	1	2	2100	PER02	93	O	AN 1/60	
149		Telephone Number Qualifier TE - Telephone	M ID 2/2	2	090	O	3	1	2	2100	PER03	365	C	ID 2/2	
150		Ship To Point of Contact Telephone Number Enter Ship To Point of Contact Commercial Telephone Number (include area code) and any associated extension numbers.	M AN 1/80	2	090	O	3	1	2	2100	PER04	364	C	AN 1/80	
151		LX SEGMENT - Delivery Stop-off Loop	M	2	200	O	1	999	2	2300					
152		Shipment Unit Loop Number Begin with the value one (1) and increment by one for each shipment unit.	M N0 1/6	2	200	O	1	999	2	2300	LX01	554	M	N0 1/6	
153		LCT SEGMENT- Shipment Unit at Stop-off	M	2	210	O	1	999	2	2300					
				See X12 Standards for explanation of syntax notes. P0405L06070809C0706C0806C0906P1011											
154		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	
155		Type Pack Code Enter X12 Type Pack Code. 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	
156		L3 SEGMENT - Shipment Totals	M	3	010	M	1								
				See X12 Standards for explanation of syntax notes. P0102P0304P0910C1201P1415											
157		Total Shipment Weight	M R 1/10	3	010	M	1				L301	81	C	R 1/10	
158		Weight Qualifier G - Gross Weight	M ID 1/1	3	010	M	1				L302	187	C	ID 1/2	

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
159		Total Shipment Volume	M	R	1/8	3	010	M	1			L309	183	C	R	1/8
160		Volume Unit Qualifier E - Cubic Feet	M	ID	1/1	3	010	M	1			L310	184	C	ID	1/1
161		Total Shipment Units	M	NO	1/7	3	010	M	1			L311	80	O	NO	1/7
162		Units Qualifier Qualifies weight value in L301. L - Pounds	M	ID	1/1	3	010	M	1			L312	188	O	ID	1/1
163		SE SEGMENT - Transportation Service Request Trailer	M			3	020	M	1							
164		Number of Included Segments Total number of segments included in a transaction set including ST and SE segments.	M	NO	1/10	3	020	M	1			SE01	96	M	NO	1/10
165		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

52 -- 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.**

52 -- Type Pack Code (CONT)

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

95 -- HAZMAT - Unit Of Measure 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

155 -- 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

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 - Duffie Bag
**** Use 'DUF' to denote Duffiebag.**

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 - 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.**

155 -- Type Pack Code (CONT)

Data Value - Definition

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