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Department  
of  
Defense

DoD  
Transportation  
Electronic  
Business (DTEB)  
Convention

ASC X12 Transaction Set 404  
Rail Carrier Shipment  
Information (Version 004010)

**FINAL DRAFT**

January 2007



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# CONTENTS

1.0 INTRODUCTION

2.0 CONTROL SEGMENTS

3.0 STANDARD IMPLEMENTATION CONVENTION

4.0 IC ELEMENT MATRIX

5.0 IC ELEMENTS IN EDI FORMAT

6.0 IC CODE LISTS

7.0 RESERVED

8.0 RESERVED

9.0 ADDITIONAL INFORMATION FOR THE DEVELOPER

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# Section 1.0

## INTRODUCTION

This implementation convention (IC) describes the standard or convention the Department of Defense will use to exchange Rail Carrier Shipment Information in support of the Defense Transportation Electronic Business (DTEB) program.

For further information about the DTEB program, contact the following:

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

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

Defense Logistics Management Standards Office  
Attn: DLMSO  
8725 John J. Kingman Road  
Ft. Belvoir VA 22060-6217

For the most recent publication, go to the World-Wide Web at  
[https://dteb.lmi.org/dod/dteb.nsf/\(DocLevel2\)?OpenView&cat1=IC&cat2=4010](https://dteb.lmi.org/dod/dteb.nsf/(DocLevel2)?OpenView&cat1=IC&cat2=4010)

[Instructions: At the web location, sign on as 'Guest'. Select the desired Implementation Convention document. That document is available in PDF format and may be downloaded or printed.]

## Who Needs to Use This Document?

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

## Why Use a Convention?

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

## Contents

Additional sections are included in this document.

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

## 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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Segment:           ISA Interchange Control Header

Usage:             Mandatory

Max Use:           1

Purpose:             To start and identify an interchange of zero or more functional groups and interchange-related control segments

DATA ELEMENT SUMMARY

Ref Des	Data Element	Name	Attributes
M	ISA01 I01	<b>Authorization Information Qualifier</b> Code to identify the type of information in the Authorized Information	M ID 2/2
		<u>Code</u> 00	<u>Definition</u> No Authorization Information Present (No Meaningful Information in I02)
M	ISA02 I02	<b>Authorization Information</b> Information used for additional clarification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)	M AN 10/10
		For code value '00' in ISA01, fill with zeros.	
M	ISA03 I03	<b>Security Information Qualifier</b> Code to identify the type of information in the Security Information	M ID 2/2
		<u>Code</u> 00	<u>Definition</u> No Security Information Present (No Meaningful Information in I04)
M	ISA04 I04	<b>Security Information</b> This is used for identifying the security Information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03).	M AN 10/10
		For code value '00' in ISA03, fill with zeros.	

<b>M</b>	<b>ISA05</b>	<b>I05</b>	<b>Interchange ID Qualifier</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified	<b>M ID 2/2</b>
<p>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'.</p>				
<b>M</b>	<b>ISA06</b>	<b>I06</b>	<b>Interchange Sender ID</b> Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element.	<b>M AN 15/15</b>
<p>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.</p>				
<b>M</b>	<b>ISA07</b>	<b>I05</b>	<b>Interchange ID Qualifier</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified	<b>M ID 2/2</b>
<p>Select appropriate code value for receiver from 4010 X12 code list for data element I05. For DoDAAC use code value '10'.</p>				
<b>M</b>	<b>ISA08</b>	<b>I07</b>	<b>Interchange Receiver ID</b> Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them.	<b>M AN 15/15</b>
<p>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.</p>				

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

M ISA15 I14

**Usage Indicator**

M ID 1/1

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

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

Use code value as agreed upon by trading partners.

M ISA16 I15

**Component Element Separator**

AN 1/1

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

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

Segment: GS Functional Group Header  
 Usage: Mandatory  
 Max Use: 1  
 Purpose: To indicate the beginning of a functional group and to provide control information

DATA ELEMENT SUMMARY

	<b>Ref Des</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
M	GS01	479	<b>Functional Identifier Code</b> Code identifying a group of application related transaction sets	M ID 2/2
<p>Use the appropriate code value from data element 479 in GS01 of the control envelope for indicating the transaction set being transmitted. For example, to exchange an implementation convention for Transaction Set 858, the correct code value for GS01 is 'SI' denoting Shipment Information (858).</p>				
M	GS02	142	<b>Application Sender's Code</b> Code identifying party sending transmission; codes agreed to by trading partners	M AN 2/15
<p>Typically, a sender will use different codes here to uniquely identify each implementation convention (IC) for a particular transaction set. DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code assigned by DoD, which for increased security should differ from that used in ISA06.</p>				
M	GS03	124	<b>Application Receiver's Code</b> Code to identify the type of information in the Security Information	M AN 2/15
<p>DoD activities use DoDAAC or other code coordinated with trading partners. Non-DoD activities use identification code assigned by DoD, which for increased security should differ from that used in ISA08</p>				

<b>M</b>	<b>GS04</b>	<b>373</b>	<b>Date</b> Date expressed as CCYYMMDD. Information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)	<b>M DT 8/8</b>				
<div style="background-color: #e0e0e0; padding: 2px;">Date assigned by translation software</div>								
<b>M</b>	<b>GS05</b>	<b>337</b>	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM or HHMMSS, or HHMMSSD, or HHMMSSDD, where H – hours (00-23), M = minutes (00-59), S = integer seconds (00-59), and D = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	<b>M TM 4/8</b>				
<div style="background-color: #e0e0e0; padding: 2px;">Time expressed in HHMM format assigned by translation software</div>								
<b>M</b>	<b>GS06</b>	<b>28</b>	<b>Group Control Number</b> Assigned number originated and maintained by the sender	<b>M N0 1/9</b>				
<div style="background-color: #e0e0e0; padding: 2px;">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.</div>								
<b>M</b>	<b>GS07</b>	<b>455</b>	<b>Responsible Agency Code</b> Code used in conjunction with Data Element 480 to identify the issuer of the standard.	<b>M ID 1/1</b>				
<table border="0" style="width: 100%;"> <tr> <td style="border-bottom: 1px solid black; width: 15%;"><b>Code</b></td> <td style="border-bottom: 1px solid black;"><b>Definition</b></td> </tr> <tr> <td>X</td> <td>Accredited Standards Committee X12</td> </tr> </table>					<b>Code</b>	<b>Definition</b>	X	Accredited Standards Committee X12
<b>Code</b>	<b>Definition</b>							
X	Accredited Standards Committee X12							
<b>M</b>	<b>GS08</b>	<b>480</b>	<b>Version / Release / Industry Identified Code</b> Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by the user), if code in DE455 in GS segment is T, then other formats are allowed.	<b>M AN 6/6</b>				
<table border="0" style="width: 100%;"> <tr> <td style="border-bottom: 1px solid black; width: 15%;"><b>Code</b></td> <td style="border-bottom: 1px solid black;"><b>Definition</b></td> </tr> <tr> <td>004010</td> <td>Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997</td> </tr> </table>					<b>Code</b>	<b>Definition</b>	004010	Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997
<b>Code</b>	<b>Definition</b>							
004010	Draft Standard Approved for Publication by ASC X12 Procedures Review Board through October 1997							
<div style="background-color: #e0e0e0; padding: 2px;">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.</div>								

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

DATA ELEMENT SUMMARY

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

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

DATA ELEMENT SUMMARY

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

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## Section 3.0

# STANDARD IMPLEMENTATION CONVENTION

This section presents the DoD's convention for generating bills of lading using ASC X12 Transaction Set 404 Rail Carrier Shipment Information (Version 004010).

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

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

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

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# 404 Rail Carrier Shipment Information

Functional Group ID=**SR**

## Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Rail Carrier Shipment Information Transaction Set (404) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to transmit rail-carrier-specific bill of lading information to a railroad. It is the initial tender of a shipment between a consignor and a rail carrier and can be used as notification of equipment release and/or a legal bill of lading.

	<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		
Not Used	020	ZC1	Beginning Segment for Data Correction or Change	O	1		
Must Use	030	BX	General Shipment Information	O	1		n1
	040	BNX	Rail Shipment Information	O	1		
M	050	M3	Release	M	1		
M	060	N9	Reference Identification	M	30		
Not Used	070	CM	Cargo Manifest	O	2		
Not Used	080	M1	Insurance	O	1		
Must Use	090	DTM	Date/Time Reference	O	5		
LOOP ID - N7						500	
M	100	N7	Equipment Details	M	1		
Not Used	101	EM	Equipment Characteristics	O	1		
LOOP ID - VC						21	
Not Used	110	VC	Motor Vehicle Control	O	1		
LOOP ID - N1						2	
Not Used	112	N1	Name	O	1		
Not Used	114	N3	Address Information	O	2		
Not Used	116	N4	Geographic Location	O	1		
Not Used	118	H3	Special Handling Instructions	O	1		
	130	M7	Seal Numbers	O	5		
Not Used	140	N5	Equipment Ordered	O	1		
Not Used	150	IC	Intermodal Chassis Equipment	O	1		
Not Used	160	IM	Intermodal Movement Information	O	1		
Not Used	170	M12	In-bond Identifying Information	O	2		
LOOP ID - E1						2	
Not Used	171	E1	Empty Car Disposition - Pended Destination Consignee	O	1		
Not Used	172	E4	Empty Car Disposition - Pended Destination City	O	1		
Not Used	173	E5	Empty Car Disposition - Pended Destination Route	O	13		
Not Used	174	PI	Price Authority Identification	O	1		

Not Used	175	GA	Canadian Grain Information	O	15
					99
	177	REF	Reference Identification	O	1
	178	N10	Quantity and Description	O	15
					5
Not Used	179	N1	Name	O	1
Not Used	180	N3	Address Information	O	1
Not Used	182	N4	Geographic Location	O	1
	185	NA	Cross-Reference Equipment	O	10
M	190	F9	Origin Station	M	1
M	200	D9	Destination Station	M	1
					10
M	210	N1	Name	M	1
Not Used	215	N2	Additional Name Information	O	2
	220	N3	Address Information	O	2
Must Use	230	N4	Geographic Location	O	1
Not Used	235	REF	Reference Identification	O	2
	240	PER	Administrative Communications Contact	O	2
Not Used	252	BL	Billing Information	O	12
					12
Not Used	430	S1	Stop-off Name	O	1
Not Used	440	S2	Stop-off Address	O	2
Not Used	448	S9	Stop-off Station	O	1
Not Used	449	N1	Name	O	1
Not Used	450	N2	Additional Name Information	O	1
Not Used	451	N3	Address Information	O	1
Not Used	452	N4	Geographic Location	O	1
Not Used	453	PER	Administrative Communications Contact	O	1
Must Use	460	R2	Route Information	O	13
Not Used	480	R9	Route Code	O	1
					2
Not Used	490	E1	Empty Car Disposition - Pended Destination Consignee	O	1
Not Used	500	E4	Empty Car Disposition - Pended Destination City	O	1
Not Used	510	E5	Empty Car Disposition - Pended Destination Route	O	13
Not Used	511	PI	Price Authority Identification	O	1
	520	H3	Special Handling Instructions	O	20
	530	PS	Protective Service Instructions	O	5
					25
M	540	LX	Assigned Number	M	1
M	550	L5	Description, Marks and Numbers	M	15
					25
Must Use	570	L0	Line Item - Quantity and Weight	O	1
Not Used	575	MEA	Measurements	O	3

Not Used	580	L1	Rate and Charges	O	10	
Must Use	590	PI	Price Authority Identification	O	30	
Not Used	600	X1	Export License	O	6	
LOOP ID - T1					64	
Not Used	610	T1	Transit Inbound Origin	O	1	
Not Used	620	T2	Transit Inbound Lading	O	30	
Not Used	630	T3	Transit Inbound Route	O	12	
Not Used	640	T6	Transit Inbound Rates	O	1	
Not Used	650	T8	Free-form Transit Data	O	99	
Not Used	660	L3	Total Weight and Charges	O	1	
	670	LS	Loop Header	O	1	
LOOP ID - LH1					100	
	680	LH1	Hazardous Identification Information	O	1	
	690	LH2	Hazardous Classification Information	O	4	n2
	700	LH3	Hazardous Material Shipping Name	O	10	
	710	LFH	Freeform Hazardous Material Information	O	20	
Not Used	720	LEP	EPA Required Data	O	3	
	730	LH4	Canadian Dangerous Requirements	O	1	
	740	LHT	Transborder Hazardous Requirements	O	3	
	750	LHR	Hazardous Material Identifying Reference Numbers	O	5	
	755	PER	Administrative Communications Contact	O	5	
	760	LE	Loop Trailer	O	1	
	770	PER	Administrative Communications Contact	O	5	
Not Used	780	LH2	Hazardous Classification Information	O	6	n3
Not Used	790	LHR	Hazardous Material Identifying Reference Numbers	O	1	
	800	LH6	Hazardous Certification	O	5	
Not Used	810	XH	Pro Forma - B13 Information	O	1	
Not Used	820	X7	Customs Information	O	10	
M	840	SE	Transaction Set Trailer	M	1	

## Transaction Set Notes

1. BX05 contains the Standard Carrier Alpha Code (SCAC) of the original roadhaul carrier receiving the shipment.
2. If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory. However, the receiver must consider it to be blanks when printing a paper document.
3. If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory. However, the receiver must consider it to be blanks when printing a paper document.

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:**  
**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:** [001] ST SEGMENT - Rail Carrier Information Header

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set [002] Transaction Set Identifier Code	M ID 3/3
		404	Rail Carrier Shipment Information [002] Rail Carrier Shipment Information	
M	ST02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set [003] 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

**Segment:** **BX** General Shipment Information  
**Position:** 030  
**Loop:**  
**Level:**  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To transmit identification numbers and other basic shipment data  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** [004] BX SEGMENT - General Shipment Information

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	BX01	353		<b>Transaction Set Purpose Code</b>	M ID 2/2
				Code identifying purpose of transaction set	
				[005] Transaction Set Purpose Code	
				Rails cannot accept code value '04' indicating 'Change' after lift.	
			00	Original	
				[005] Original	
M	BX02	91		<b>Transportation Method/Type Code</b>	M ID 1/2
				Code specifying the method or type of transportation for the shipment	
				[006] Transportation Method/Type Code	
				Use code value 'X' when Primary Equipment Description Code, N711, position 100, contains code value 'CN' or code value 'TL'.	
			R	Rail	
				[006] Rail	
			X	Intermodal (Piggyback)	
				[006] Intermodal (Piggyback)	
M	BX03	146		<b>Shipment Method of Payment</b>	M ID 2/2
				Code identifying payment terms for transportation charges	
				[007] Shipment Method of Payment	
			PP	Prepaid (by Seller)	
				[007] Prepaid (by Seller)	
X	BX04	145		<b>Shipment Identification Number</b>	O AN 1/30
				Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	
>>	BX05	140		<b>Standard Carrier Alpha Code</b>	O ID 2/4
				Standard Carrier Alpha Code	
				[008] Standard Carrier Alpha Code	
				Use SCAC of origin carrier. SCAC should be validated against the National	

			Motor Freight Transportation Association (NMFTA) SCAC reference file.	
>>	<b>BX06</b>	<b>188</b>	<b>Weight Unit Code</b>	<b>O ID 1/1</b>
			Code specifying the weight unit	
			[009] Weight Unit Code	
			This element qualifies all weights in the transaction set.	
			L Pounds	
			[009] Pounds	
>>	<b>BX07</b>	<b>147</b>	<b>Shipment Qualifier</b>	<b>O ID 1/1</b>
			Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time	
			[010] Shipment Qualifier	
			B Bill of Lading for Individual Shipment	
			[010] Bill of Lading for Individual Shipment	
			E Empty Equipment Billing (Non-Revenue)	
			[010] Empty Equipment Billing (Non-Revenue)	
X	<b>BX08</b>	<b>226</b>	<b>Section Seven Code</b>	<b>O ID 1/1</b>
			Code indicating applicability of section seven option (if not transmitted assume not in effect)	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	<b>BX09</b>	<b>195</b>	<b>Capacity Load Code</b>	<b>O ID 1/1</b>
			Code specifying type of capacity load	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	<b>BX10</b>	<b>160</b>	<b>Status Report Request Code</b>	<b>O ID 1/1</b>
			Code used by the shipper to specify that an automatic status report is requested when the shipment is delivered	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	<b>BX11</b>	<b>501</b>	<b>Customs Documentation Handling Code</b>	<b>O ID 2/2</b>
			Code defining method of handling for documentation	
			[011] Customs Documentation Handling Code	
			Required for all shipments to/from Canada.	
X	<b>BX12</b>	<b>199</b>	<b>Confidential Billing Request Code</b>	<b>O ID 1/1</b>
			Code used by the shipper to request that the carrier inhibit origin identification information from the invoice transaction sets and/or rate and charges from waybill documents and transaction sets when shipment moves under confidential contract rates	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	<b>BX13</b>	<b>714</b>	<b>Goods and Services Tax Reason Code</b>	<b>O ID 1/1</b>
			Code required to identify the reason for a 0% rated goods and services tax	
			[012] Goods and Services Tax Reason Code	
			Required for all shipments to/from Canada. Use code value '1' for inbound shipments and code value '2' for outbound shipments.	
			1 Inbound Goods and Services Tax Declaration	

[012] Inbound Goods and Services Tax Declaration

2

Outbound Goods and Services Tax Declaration

[012] Outbound Goods and Services Tax Declaration

**X**

**BX14**

**346**

**Application Type**

**O ID 2/2**

Code identifying an application

Refer to 004010 Data Element Dictionary for acceptable code values.

**Segment:** **BNX** Rail Shipment Information  
**Position:** 040  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit rail-specific shipment data  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Notes:** [013] BNX SEGMENT - Rail Shipment Information  
 SEGMENT CONDITION: BNX segment is mandatory for loaded revenue shipments.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	BNX01	460		<b>Shipment Weight Code</b>	<b>O ID 1/1</b>
				Code indicating the way by which weights are obtained for a particular shipment	
				[014] Shipment Weight Code	
			A	Shipper's Weight Agreement	
				[014] Shipper's Weight Agreement	
X	BNX02	129		<b>Referenced Pattern Identifier</b>	<b>O AN 1/13</b>
				Identification of a repetitive pattern that is to be used as a basis for creating a shipment record or a new pattern; or identification of a pattern requiring change or deletion	
>>	BNX03	11		<b>Billing Code</b>	<b>O ID 1/1</b>
				Code indicating type of Bill	
				[015] Billing Code	
			S	Single Shipment Billing	
				[015] Single Shipment Billing	
X	BNX04	223		<b>Repetitive Pattern Number</b>	<b>O N0 5/5</b>
				RWC number composed of a four-digit number with a fifth digit being a modulus 10 check digit	

**Segment:** **M3** Release  
**Position:** 050  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate that the equipment is or is not to be released  
**Syntax Notes:**

- 1 At least one of M302 or M303 is required.
- 2 If M304 is present, then M303 is required.

**Semantic Notes:**

- 1 If M301 contains code value "S" or "R", then M302 is the date of release. If M301 contains code value "U", then M302 is the estimated date of release.
- 2 M304 reflects the time zone which the time reflects.

**Comments:**  
**Notes:** [016] M3 SEGMENT - Date/Time of 404 Creation and Release Code  
 Use this segment to indicate whether the equipment is or is not to be released.

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	M301	132	<b>Release Code</b>	<b>M ID 1/1</b>
			Code signifying whether or not the shipment information transaction set includes instructions for pick-up and movement of the shipment; (This code provides a means for the shipper to transmit billing data along with the movement instructions, transmit billing data ahead of the movement instructions, or follow movement instructions with complete billing data at a later date)	
			[017] Release Code	
			R	Released with Billing Data
				[017] Released with Billing Data
>>	M302	373	<b>Date</b>	<b>X DT 8/8</b>
			Date expressed as CCYYMMDD	
			[018] Date 404 Prepared	
			This is the date that the 404 transaction is generated.	
>>	M303	337	<b>Time</b>	<b>X TM 4/8</b>
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
			[019] Time 404 Prepared	
			This is the time that the 404 transaction is generated.	
>>	M304	623	<b>Time Code</b>	<b>O ID 2/2</b>
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time;	

since + is a restricted character, + and - are substituted by P and M in the codes that follow

[020] Time Code

ET Eastern Time

[020] Eastern Time

**Segment:** **N9 Reference Identification**  
**Position:** 060  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 30  
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier

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

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

**Comments:**

**Notes:** [021] N9 SEGMENT - Bill of Lading Prepared Date  
Data from GS202, position 110, 'Date Bill of Lading/Shipping Instruction Prepared Date' of 858R IC.

**Data Element Summary**

	<b>Ref. Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification [022] B/L Qualifier BM Bill of Lading Number [022] Bill of Lading Number	M ID 2/3
>>	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [023] Bill of Lading Number Enter bill of lading number here.	X AN 1/30
X	N903	369	<b>Free-form Description</b> Free-form descriptive text	X AN 1/45
>>	N904	373	<b>Date</b> Date expressed as CCYYMMDD [024] Bill of Lading Prepared Date This is the date the shipper creates the bill of lading.	O DT 8/8
>>	N905	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X TM 4/8



**Segment:** **DTM** Date/Time Reference

**Position:** 090

**Loop:**

**Level:**

**Usage:** Optional (Must Use)

**Max Use:** 5

**Purpose:** To specify pertinent dates and times

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

**Semantic Notes:**

**Comments:**

**Notes:** [027] DTM SEGMENT - Desired/Required Delivery  
[030] DTM SEGMENT - Carrier's Pickup  
SEGMENT CONDITION: Use when date rail carriers are to pick up rail cars applies.

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	DTM01	374	<b>Date/Time Qualifier</b>	<b>M ID 3/3</b>
			Code specifying type of date or time, or both date and time	
			[028] Desired/Required Delivery Date Qualifier Use code value '017' to denote Deliver on this Date. Use code value '002' to denote Required Delivery Date.	
			[031] Carrier's Pickup Date Qualifier SDDC will accept only code value '86' from shippers.	
			Convert code value '86' from 858R IC, G6201 segment, position 110, to code value '196' to denote Actual Pickup Date.	
			002 Delivery Requested	
			[028] Delivery Requested	
			017 Estimated Delivery	
			[028] Estimated Delivery	
			196 Start	
			[031] Start	
>>	DTM02	373	<b>Date</b>	<b>X DT 8/8</b>
			Date expressed as CCYYMMDD	
			[029] Desired/Required Delivery Date [032] Carrier's Pickup Date This is the date rail carriers are to pick up rail cars. Note: The release date is the estimated pickup date and not the date the 404 was generated.	
X	DTM03	337	<b>Time</b>	<b>X TM 4/8</b>
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes	

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

X	DTM04	623	<b>Time Code</b>	<b>O ID 2/2</b>
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	DTM05	1250	<b>Date Time Period Format Qualifier</b>	<b>X ID 2/3</b>
			Code indicating the date format, time format, or date and time format	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	DTM06	1251	<b>Date Time Period</b>	<b>X AN 1/35</b>
			Expression of a date, a time, or range of dates, times or dates and times	

**Segment:** **N7** Equipment Details  
**Position:** 100  
**Loop:** N7 Mandatory  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify the equipment  
**Syntax Notes:**

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

**Semantic Notes:**

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

**Comments:**

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

**Notes:** [033] N7 SEGMENT - Primary Equipment Details  
Use this loop to describe the equipment in/on which the commodity is carried. See development notes for examples of this loop. If shipment is intermodal, N7 segment refers to trailer/container; not the rail car.  
  
CHANGE NOTE: Reference to 'Primary' added to segment header and data element names for clarity.

#### Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
>>	N701	206	<b>Equipment Initial</b>	<b>O AN 1/4</b>
			Prefix or alphabetic part of an equipment unit's identifying number [034] Primary Equipment Initial	
M	N702	207	<b>Equipment Number</b>	<b>M AN 1/10</b>
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) [035] Primary Equipment Number	
>>	N703	81	<b>Weight</b>	<b>X R 1/10</b>
			Numeric value of weight [036] Weight This is the net weight of entire shipment. If conveyance (railcar, trailer, or container) contains multiple line items, this is the total of all line items, including dunnage weight. (This N703 should match the sum of the weight values in all elements L004 for this transaction.)	
>>	N704	187	<b>Weight Qualifier</b>	<b>X ID 1/2</b>
			Code defining the type of weight [037] Weight Qualifier Use code value 'N' to denote Net Weight.	
			N Actual Net Weight [037] Actual Net Weight	

X	N705	167	<b>Tare Weight</b> Weight of the equipment	X N0 3/8
X	N706	232	<b>Weight Allowance</b> Allowance made for increased weight due to such factors as snow	O N0 2/6
X	N707	205	<b>Dunnage</b> Weight of material used to protect lading (even bracings, false floors, etc.)	O N0 1/6
X	N708	183	<b>Volume</b> Value of volumetric measure	X R 1/8
X	N709	184	<b>Volume Unit Qualifier</b> Code identifying the volume unit Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
X	N710	102	<b>Ownership Code</b> Code indicating the relationship of equipment to carrier or ownership of equipment Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
>>	N711	40	<b>Equipment Description Code</b> Code identifying type of equipment used for shipment [038] Primary Equipment Description Code Code identifying type of equipment used for shipment.	O ID 2/2
			CN Container [038] Container	
			ID Idler Car [038] Idler Car	
			RR Rail Car [038] Rail Car	
			TL Trailer (not otherwise specified) [038] Trailer (not otherwise specified)	
X	N712	140	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	O ID 2/4
X	N713	319	<b>Temperature Control</b> Free-form abbreviation of temperature range or flash-point temperature	O AN 3/6
X	N714	219	<b>Position</b> Relative position of shipment in car, trailer, or container (mutually defined)	O AN 1/3
	N715	567	<b>Equipment Length</b> Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11) [039] Primary Equipment Length Outside length; required for intermodal equipment.	O N0 4/5
X	N716	571	<b>Tare Qualifier Code</b> Code identifying the type of tare	X ID 1/1

			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	N717	188	<b>Weight Unit Code</b>	O ID 1/1
			Code specifying the weight unit	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	N718	761	<b>Equipment Number Check Digit</b>	O N0 1/1
			Number which designates the check digit applied to a piece of equipment	
X	N719	56	<b>Type of Service Code</b>	O ID 2/2
			Code specifying extent of transportation service requested	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	N720	65	<b>Height</b>	O R 1/8
			Vertical dimension of an object measured when the object is in the upright position	
X	N721	189	<b>Width</b>	O R 1/8
			Shorter measurement of the two horizontal dimensions measured with the object in the upright position	
X	N722	24	<b>Equipment Type</b>	O ID 4/4
			Code identifying equipment type	
X	N723	140	<b>Standard Carrier Alpha Code</b>	O ID 2/4
			Standard Carrier Alpha Code	
X	N724	301	<b>Car Type Code</b>	O ID 1/4
			Code specifying type of rail car or intermodal equipment type and its general characteristics	

**Segment:** **M7 Seal Numbers**  
**Position:** 130  
**Loop:** N7 Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 5  
**Purpose:** To record seal numbers used and the organization that applied the seals  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 M705 indicates the name of the organization which applied the seal(s).  
**Notes:** [040] M7 SEGMENT - Seal Numbers  
 SEGMENT CONDITION: Include if seals are applied to the primary equipment.

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	M701	225 Seal Number	M AN 2/15
		Unique number on seal used to close a shipment	
		[041] Seal Number	
		Carry additional seal numbers in M702, M703, and M704.	
	M702	225 Seal Number	O AN 2/15
		Unique number on seal used to close a shipment	
		[042] Seal Number	
		Use for additional seal numbers.	
	M703	225 Seal Number	O AN 2/15
		Unique number on seal used to close a shipment	
		[043] Seal Number	
		Use for additional seal numbers.	
	M704	225 Seal Number	O AN 2/15
		Unique number on seal used to close a shipment	
		[044] Seal Number	
		Use for additional seal numbers.	
X	M705	98 Entity Identifier Code	O ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		Refer to 004010 Data Element Dictionary for acceptable code values.	

**Segment:** **REF** Reference Identification

**Position:** 177

**Loop:** REF Optional

**Level:**

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify identifying information

**Syntax Notes:** 1 At least one of REF02 or REF03 is required.

2 If either C04003 or C04004 is present, then the other is required.

3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:** 1 REF04 contains data relating to the value cited in REF02.

**Comments:**

**Notes:** [045] REF SEGMENT - Intermodal/International Shipments  
SEGMENT CONDITION: REF loop is required for intermodal/International shipments.

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification [046] Reference Identification Qualifier If code value 'OB' is used, N10 segment is required. Use code value 'ZZ' to denote Certificate of Transportation Number. OB Ocean Bill of Lading [046] Ocean Bill of Lading PN Permit Number [046] Permit Number ZZ Mutually Defined [046] Mutually Defined	M ID 2/3
>>	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [047] Reference Identification	X AN 1/30
X	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content	X AN 1/80
X	REF04	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
X	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/3
X	C04002	127	<b>Reference Identification</b>	M AN 1/30

			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
X	C04003	128	<b>Reference Identification Qualifier</b>	X ID 2/3
			Code qualifying the Reference Identification	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	C04004	127	<b>Reference Identification</b>	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
X	C04005	128	<b>Reference Identification Qualifier</b>	X ID 2/3
			Code qualifying the Reference Identification	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	C04006	127	<b>Reference Identification</b>	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

**Segment:** **N10** **Quantity and Description**  
**Position:** 178  
**Loop:** REF Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 15  
**Purpose:** To indicate line item quantity, description, marks and numbers, commodity code, weight, and customs value

**Syntax Notes:**

- 1 If either N1004 or N1005 is present, then the other is required.
- 2 If either N1006 or N1013 is present, then the other is required.
- 3 If either N1007 or N1008 is present, then the other is required.

**Semantic Notes:**

- 1 N1009 is the U.S. Customs bar code number for line release.
- 2 N1011 is the country of the manufacturer of the goods.
- 3 N1012 is the country of the final destination of the goods.
- 4 N1013 is the currency of the value of N1006.

**Comments:**

**Notes:** [048] N10 SEGMENT - Quantity and Description  
 SEGMENT CONDITION: Use to convey Customs-related information if shipper is manifesting the shipment(s) directly with US Customs. N10 segment required if REF02 = 'OB'.

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
N1001	380	<b>Quantity</b>		<b>O R 1/15</b>
			Numeric value of quantity	
			[049] Quantity	
N1002	369	<b>Free-form Description</b>		<b>O AN 1/45</b>
			Free-form descriptive text	
			[050] Free-form Description	
N1003	87	<b>Marks and Numbers</b>		<b>O AN 1/48</b>
			Marks and numbers used to identify a shipment or parts of a shipment	
			[051] Marks and Numbers	
N1004	23	<b>Commodity Code Qualifier</b>		<b>X ID 1/1</b>
			Code identifying the commodity coding system used for Commodity Code	
			[052] Commodity Code Qualifier	
			Required if N1005 is used.	
			J Harmonized System-Based Schedule B	
			Classification of exported merchandise	
			[052] Harmonized System-Based Schedule B	
N1005	22	<b>Commodity Code</b>		<b>X AN 1/30</b>
			Code describing a commodity or group of commodities	
			[053] Commodity Code	
N1006	602	<b>Customs Shipment Value</b>		<b>X AN 2/8</b>

		Customs value in whole dollars	
		[054] Customs Shipment Value	
<b>N1007</b>	<b>188</b>	<b>Weight Unit Code</b>	<b>X ID 1/1</b>
		Code specifying the weight unit	
		[055] Weight Unit Code	
		Required if N1008 is used.	
		L Pounds	
		[055] Pounds	
<b>N1008</b>	<b>81</b>	<b>Weight</b>	<b>X R 1/10</b>
		Numeric value of weight	
		[056] Weight	
<b>N1009</b>	<b>127</b>	<b>Reference Identification</b>	<b>O AN 1/30</b>
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
		[057] Reference Identification	
<b>N1010</b>	<b>599</b>	<b>Manifest Unit Code</b>	<b>O ID 1/3</b>
		Code defining the smallest package unit for the bill of lading	
		[058] Manifest Unit Code	
		Use applicable code value from ASC X12 DE 599.	
<b>N1011</b>	<b>26</b>	<b>Country Code</b>	<b>O ID 2/3</b>
		Code identifying the country	
		[059] Country Code	
		Country of origin of goods.	
		Valid country codes are found in Codes for Representation of Names of Countries, ISO 3166- (Latest Release). The publication may be obtained from: American National Standards Institute 11 West 42nd Street, 13 Floor New York, NY 10036.	
<b>N1012</b>	<b>26</b>	<b>Country Code</b>	<b>O ID 2/3</b>
		Code identifying the country	
		[060] Country Code	
		Country of final destination of the goods.	
		Valid country codes are found in Codes for Representation of Names of Countries, ISO 3166- (Latest Release). The publication may be obtained from: American National Standards Institute 11 West 42nd Street, 13 Floor New York, NY 10036.	
<b>N1013</b>	<b>100</b>	<b>Currency Code</b>	<b>X ID 3/3</b>
		Code (Standard ISO) for country in whose currency the charges are specified	

[061] Currency Code

Currency code values from the ISO 4217 table may be found on the web at:

<http://www.iso.org/iso/en/prods-services/popstds/currencycodeslist.html>.

**Segment:** **NA** Cross-Reference Equipment  
**Position:** 185  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To cross-reference additional equipment to a primary piece of equipment  
**Syntax Notes:** 1 If NA01 is present, then NA02 is required.  
**Semantic Notes:** 1 NA07 is the owner's Standard Carrier Alpha Code (SCAC) code.  
 2 NA11 indicates the equipment damage status. A "Y" indicates equipment is damaged; an "N" indicates equipment is not damaged.  
**Comments:** 1 NA03 contains the equipment initial of an associated shipment and is required by rail. If unknown, use NONZ for van or NONU for container.  
 2 NA04 contains the equipment number of an associated shipment.  
 3 NA09 is the Standard Carrier Alpha Code (SCAC) code of the operator of the equipment.  
**Notes:** [062] NA SEGMENT - Cross-Reference Equipment (Secondary)  
 SEGMENT CONDITION: Used to identify equipment in addition to the primary equipment. Flat car from TOFC/COFC. If shipment is intermodal, NA segment refers to the rail car, not a trailer/container.  
 CHANGE NOTE: User note corrected. Reference to 'Secondary' added to clarity segment header name.  
 [066] NA SEGMENT - Container  
 SEGMENT CONDITION: Segment required when shipment employs a container.  
 CHANGE NOTE: Requirement attribute corrected and segment condition note added per DM 824.

#### Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
X	NA01	128	<b>Reference Identification Qualifier</b>	O ID 2/3
			Code qualifying the Reference Identification	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	NA02	127	<b>Reference Identification</b>	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
M	NA03	206	<b>Equipment Initial</b>	M AN 1/4
			Prefix or alphabetic part of an equipment unit's identifying number	
			[063] Secondary Equipment Initial	
			[067] Container Initials	
			Put in initials.	
M	NA04	207	<b>Equipment Number</b>	M AN 1/10
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	

			[064] Secondary Equipment Number	
			[068] Container Serial Number	
>>	NA05	231	<b>Cross Reference Type Code</b>	<b>O ID 1/1</b>
			Code defining relationship of equipment to equipment cross-referenced	
			[065] Cross Reference Type Code	
			[069] Cross Reference Type Code	
			F Conveying Flat Car	
			[065] Conveying Flat Car	
			T Trailer	
			[069] Trailer	
X	NA06	219	<b>Position</b>	<b>O AN 1/3</b>
			Relative position of shipment in car, trailer, or container (mutually defined)	
X	NA07	140	<b>Standard Carrier Alpha Code</b>	<b>O ID 2/4</b>
			Standard Carrier Alpha Code	
X	NA08	567	<b>Equipment Length</b>	<b>O N0 4/5</b>
			Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	
X	NA09	140	<b>Standard Carrier Alpha Code</b>	<b>O ID 2/4</b>
			Standard Carrier Alpha Code	
X	NA10	845	<b>Chassis Type</b>	<b>O ID 2/2</b>
			Code identifying type of chassis	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	NA11	1073	<b>Yes/No Condition or Response Code</b>	<b>O ID 1/1</b>
			Code indicating a Yes or No condition or response	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

**Segment:** **F9** Origin Station  
**Position:** 190  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify the rail origin of the shipment  
**Syntax Notes:**  
**Semantic Notes:**

- 1 F902 is the origin station for movement.
- 2 F904 is the country code for the city named in the F902.
- 3 F905 is the freight station accounting code of the origin junction settlement carrier.
- 4 F908 is the Standard Point Location Code (SPLC) for the city named in the F902.
- 5 F909 is the postal code for the city named in the F902.
- 6 F910 is the Standard Point Location Code (SPLC) for the city named in the F906.
- 7 F911 is the postal code for the city named in the F906.
- 8 F912 is the country code for the city named in the F906.

**Comments:** 1 F905 is the freight station accounting code of the city named in F906.  
**Notes:** [070] F9 SEGMENT - Origin Station  
If F9 data is provided from the rail carrier's tender submitted via Tender Entry on the Web (TEOW) (e.g., 602 GY), F902 and F903 will map directly to the 404. If not, the N1~SF, city and state, will be mapped to F902 and F903. Mandatory for Rail.

#### Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
X	F901	573	<b>Freight Station Accounting Code</b> Code (Freight Station Accounting) (AAR Managed Code for Locations)	O ID 1/5
M	F902	19	<b>City Name</b> Free-form text for city name [071] City Name	M AN 2/30
M	F903	156	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency [072] State or Province Code Also use for province if shipment is Canadian.	M ID 2/2
X	F904	26	<b>Country Code</b> Code identifying the country	O ID 2/3
X	F905	573	<b>Freight Station Accounting Code</b> Code (Freight Station Accounting) (AAR Managed Code for Locations)	O ID 1/5
X	F906	19	<b>City Name</b> Free-form text for city name	O AN 2/30

<b>X</b>	<b>F907</b>	<b>156</b>	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	<b>O ID 2/2</b>
	<b>F908</b>	<b>154</b>	<b>Standard Point Location Code</b> Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city [073] Standard Point Location Code Official code assigned to a city or point (for rate making purposes) within a city.  CHANGE NOTE: Type attribute corrected per DM 800.	<b>O ID 6/9</b>
<b>X</b>	<b>F909</b>	<b>116</b>	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	<b>O ID 3/15</b>
<b>X</b>	<b>F910</b>	<b>154</b>	<b>Standard Point Location Code</b> Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	<b>O ID 6/9</b>
<b>X</b>	<b>F911</b>	<b>116</b>	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	<b>O ID 3/15</b>
<b>X</b>	<b>F912</b>	<b>26</b>	<b>Country Code</b> Code identifying the country	<b>O ID 2/3</b>

**Segment:** **D9 Destination Station**  
**Position:** 200  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify the rail destination of the shipment  
**Syntax Notes:**  
**Semantic Notes:**

- 1 D902 is the destination station of movement.
- 2 D904 is the country code for the city named in the D902.
- 3 D905 is the freight station accounting code of the destination junction settlement carrier.
- 4 D908 is the Standard Point Location Code (SPLC) for the city named in the D902.
- 5 D909 is the postal code for the city names in the D902.
- 6 D910 is the Standard Point Location Code (SPLC) for the city named in the D906.
- 7 D911 is the postal code for the city named in the D906.
- 8 D912 is the country code for the city named in the D906.

**Comments:** 1 D905 is the freight station accounting code of the city name in D906.

**Notes:** [074] D9 SEGMENT - Destination Station  
If D9 data is provided from the rail carrier's tender submitted via Tender Entry on the Web (TEOW) (e.g., 602 GY), D902 and D903 will map directly to the 404. If not, the N1~ST, city and state, will be mapped to D902 and D903. Mandatory for Rail.

#### Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
X	D901	573	<b>Freight Station Accounting Code</b> Code (Freight Station Accounting) (AAR Managed Code for Locations)	O ID 1/5
M	D902	19	<b>City Name</b> Free-form text for city name [075] City Name	M AN 2/30
M	D903	156	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency [076] State or Province Code Also use for province if shipment is Canadian.	M ID 2/2
X	D904	26	<b>Country Code</b> Code identifying the country	O ID 2/3
X	D905	573	<b>Freight Station Accounting Code</b> Code (Freight Station Accounting) (AAR Managed Code for Locations)	O ID 1/5
X	D906	19	<b>City Name</b> Free-form text for city name	O AN 2/30

X	D907	156	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
	D908	154	<b>Standard Point Location Code</b> Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city [077] Standard Point Location Code CHANGE NOTE: Type attribute corrected per DM 800.	O ID 6/9
X	D909	116	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15
X	D910	154	<b>Standard Point Location Code</b> Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	O ID 6/9
X	D911	116	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15
X	D912	26	<b>Country Code</b> Code identifying the country	O ID 2/3

**Segment:** **N1** Name  
**Position:** 210  
**Loop:** N1 Mandatory  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
2 If either N103 or N104 is present, then the other is required.

**Semantic Notes:**  
**Comments:** 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
2 N105 and N106 further define the type of entity in N101.

**Notes:** [078] N1 SEGMENT - Destination (C1)  
Use segment to convey carrier's delivery location information.  
[096] N1 SEGMENT - Origin (SF)  
Use segment to convey carrier's pickup location information.  
[109] N1 SEGMENT - Consignee (CN)  
Use segment to identify the installation transportation office responsible for the shipment at the final destination.  
[120] N1 SEGMENT - Shipper (SH)  
Use segment to convey installation transportation office responsible for the shipment at origin information.  
[141] N1 SEGMENT - Bill Charges To (PF)  
Provide the full address in the N3 and N4 segments to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC.  
[150] N1 SEGMENT - Customs Broker (CB)  
SEGMENT CONDITION: Required for all shipments to/from Canada.

### Data Element Summary

Ref.	Data	Attributes
<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	<b>N101</b> <b>98</b> <b>Entity Identifier Code</b>	<b>M ID 2/3</b>
	Code identifying an organizational entity, a physical location, property or an individual	
	[151] Customs Broker Identifier (CB) Qualifier	
	[079] Destination Name (C1) Qualifier	
	This qualifier identifies name and address information of the carrier's delivery location. Government will convert code value 'ST' to code value 'C1'.	
	[110] Consignee (CN) Name Qualifier	
	This qualifier identifies the installation transportation office responsible for the shipment at the final destination.	
	[142] Bill Charges To (PF) Qualifier	
	Government will convert code value 'PO' to code value 'PF'.	
	[097] Origin Name (SF) Qualifier	
	This qualifier identifies the name and address information of the carrier's	



**Segment:** N3 Address Information  
**Position:** 220  
**Loop:** N1 Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Notes:** [081] N3 SEGMENT - Destination (C1)  
 SEGMENT CONDITION: Use when destination address information applies.  
 [099] N3 SEGMENT - Origin (SF)  
 SEGMENT CONDITION: Use when pick-up street address information applies.  
 [112] N3 SEGMENT - Consignee (CN)  
 SEGMENT CONDITION: Use when street address for installation transportation office responsible for the shipment at the final destination applies.  
 [123] N3 SEGMENT - Shipper (SH)  
 SEGMENT CONDITION: Use when street address for installation transportation office responsible for the shipment at origin applies.  
 [144] N3 SEGMENT - Bill Charges To (PF)  
 [153] N3 SEGMENT - Customs Broker (CB)  
 SEGMENT CONDITION: Required for all shipments to/from Canada.

**Data Element Summary**

Ref.	Data	Attributes
Des.	Element Name	
M	<b>N301 166 Address Information</b> Address information [082] Street (C1) [100] Street (SF) [113] Street (CN) [124] Street (SH) [145] Street Address (PF) [154] Street Address (CB)	<b>M AN 1/55</b>
	<b>N302 166 Address Information</b> Address information [083] Street (C1) Use for additional street address information. [101] Street (SF) Use for additional street address information. [114] Street (CN) Use for additional street address information. [125] Additional Street (SH) [155] Street Address (CB) Use for additional street address information.	<b>O AN 1/55</b>

**Segment:** **N4 Geographic Location**  
**Position:** 230  
**Loop:** N1 Mandatory  
**Level:**  
**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:** [084] N4 SEGMENT - Destination (C1)  
 [102] N4 SEGMENT - Origin (SF)  
 [115] N4 SEGMENT - Consignee (CN)  
 SEGMENT CONDITION: Use when city, state, and ZIP code, or country code for installation transportation office responsible for the shipment at the final destination applies.  
 [126] N4 SEGMENT - Shipper (SH)  
 SEGMENT CONDITION: Use when city, state, and ZIP code, or country code for installation transportation office responsible for the shipment at origin applies.  
 [146] N4 SEGMENT - Bill Charges To (PF)  
 [156] N4 SEGMENT - Customs Broker (CB)  
 SEGMENT CONDITION: Required for all shipments to/from Canada.

#### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	N401	19 City Name	O AN 2/30
		Free-form text for city name	
		[085] City (C1)	
		[103] City (SF)	
		[116] City (CN)	
		[127] City (SH)	
		[147] City (PF)	
		[157] City (CB)	
>>	N402	156 State or Province Code	O ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
		[086] Province or State Code (C1)	
		If shipment is Canadian, use for province.	
		[104] Province or State (SF)	
		If shipment is Canadian, use for province.	
		[117] State (CN)	
		Also use for province if shipment is Canadian.	
		[128] State Code (SH)	
		Also use for province if shipment is Canadian.	

			[148] State Code (PF) [158] State or Province Code (CB)	
>>	<b>N403</b>	<b>116</b>	<b>Postal Code</b>	<b>O ID 3/15</b>
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
			[087] ZIP/Postal Code (C1) [105] ZIP/Postal Code (SF) [118] ZIP/Postal Code (CN) [129] ZIP/Postal Code (SH) [149] ZIP/Postal Code (PF) [159] ZIP/Postal Code (CB)	
	<b>N404</b>	<b>26</b>	<b>Country Code</b>	<b>O ID 2/3</b>
			Code identifying the country	
			[088] Country Code (C1) If destination is OCONUS, ISO country code is required.	
			Valid country codes are found in Codes for Representation of Names of Countries, ISO 3166- (Latest Release). The publication may be obtained from: American National Standards Institute 11 West 42nd Street, 13 Floor New York, NY 10036.	
			[106] Country Code (SF) If origin is OCONUS, ISO country code is required. [119] Country Code (CN) If consignee is OCONUS, country code is required. [130] Country Code (SH) [160] Country Code (CB)	
>>	<b>N405</b>	<b>309</b>	<b>Location Qualifier</b>	<b>X ID 1/2</b>
			Code identifying type of location	
			[161] Destination SPLC (CB) Qualifier [089] Destination SPLC (C1) Qualifier [107] Shipping Point SPLC (SF) Qualifier	
			CS Canadian SPLC [089] Canadian SPLC [107] Canadian SPLC	
			SL U.S. SPLC [089] U.S. SPLC [107] U.S. SPLC	
>>	<b>N406</b>	<b>310</b>	<b>Location Identifier</b>	<b>O AN 1/30</b>
			Code which identifies a specific location	
			[090] Destination SPLC (C1) Nine-digit SPLC is required for costing. CHANGE NOTE: Type attribute corrected per DM 800. [108] Shipping Point SPLC (SF) Nine-digit SPLC is required for costing.	

CHANGE NOTE: Type attribute corrected per DM 800.  
[162] Destination SPLC (CB)

**Segment:** **PER Administrative Communications Contact**  
**Position:** 240  
**Loop:** N1 Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 2  
**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:** [091] PER SEGMENT - Destination (C1)  
 SEGMENT CONDITION: Use for Canadian shipments - no phone extensions are allowed - the number must be a direct line.

**Data Element Summary**

Ref.	Data Element	Name	Attributes
M	PER01	366 Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named	
		[092] Contact Function Code	
		NT Notification Contact	
		[092] Notification Contact	
>>	PER02	93 Name	O AN 1/60
		Free-form name	
		[093] Contact Name	
		If none provided, enter value 'TRANSPORTATION OFFICER'.	
>>	PER03	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		[094] Telephone Number Qualifier	
		TE Telephone	
		[094] Telephone	
>>	PER04	364 Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
		[095] Telephone Number	
X	PER05	365 Communication Number Qualifier	X ID 2/2
		Code identifying the type of communication number	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	PER06	364 Communication Number	X AN 1/80

			Complete communications number including country or area code when applicable	
<b>X</b>	<b>PER07</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type of communication number	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>PER08</b>	<b>364</b>	<b>Communication Number</b>	<b>X AN 1/80</b>
			Complete communications number including country or area code when applicable	
<b>X</b>	<b>PER09</b>	<b>443</b>	<b>Contact Inquiry Reference</b>	<b>O AN 1/20</b>
			Additional reference number or description to clarify a contact number	

**Segment:** **R2** Route Information  
**Position:** 460  
**Loop:**  
**Level:**  
**Usage:** Optional (Must Use)  
**Max Use:** 13  
**Purpose:** To specify carrier and routing sequences and details  
**Syntax Notes:** 1 If R208 is present, then R207 is required.  
**Semantic Notes:** 1 R203 is the station or city name at which carriers interchange shipments.  
 2 R210 is the billing date.  
**Comments:**  
**Notes:** [163] R2 SEGMENT - Route Via

#### Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	R201	140 Standard Carrier Alpha Code	M ID 2/4
		Standard Carrier Alpha Code	
		[164] Standard Carrier Alpha Code - Via (Routing)	
		SCAC of interline and destination carrier(s) in sequence after origin carrier. The origin carrier should be included in an interline list.	
M	R202	133 Routing Sequence Code	M ID 1/2
		Code describing the relationship of a carrier to a specific shipment movement	
		[165] Via (Routing) SCAC Qualifier	
		Use code value 'S' to denote Origin Carrier, Shipper's Routing.	
		1 1st Carrier after Origin Carrier	
		[165] 1st Carrier after Origin Carrier	
		2 2nd Carrier after Origin Carrier	
		[165] 2nd Carrier after Origin Carrier	
		3 3rd Carrier after Origin Carrier	
		[165] 3rd Carrier after Origin Carrier	
		4 4th Carrier after Origin Carrier	
		[165] 4th Carrier after Origin Carrier	
		5 5th Carrier after Origin Carrier	
		[165] 5th Carrier after Origin Carrier	
		A Origin Carrier, Agent's Routing (Rail)	
		[165] Origin Carrier, Agent's Routing (Rail)	
		D DELY (Delivery Switch Carrier)	
		[165] DELY (Delivery Switch Carrier)	
		I Origin Switch Carrier	
		[165] Origin Switch Carrier	
		R Origin Carrier, Rule 11 Shipment	

				[165] Origin Carrier, Rule 11 Shipment	
			S	Origin Carrier, Shipper's Routing (Rail)	
				[165] Origin Carrier, Shipper's Routing (Rail)	
			V	Intermediate Switch Carrier	
				[165] Intermediate Switch Carrier	
	<b>R203</b>	<b>19</b>	<b>City Name</b>		<b>O AN 2/30</b>
			Free-form text for city name		
			[166] Interchange Location		
			Use for all R2s except for the final R2. Interchange is where the carrier in R201 passes the shipment forward to the next carrier. The interchange locations should follow Rule 260.		
X	<b>R204</b>	<b>154</b>	<b>Standard Point Location Code</b>		<b>O ID 6/9</b>
			Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city		
	<b>R205</b>	<b>177</b>	<b>Intermodal Service Code</b>		<b>O ID 1/2</b>
			Code identifying the Intermodal Service Plan		
			[167] Intermodal Service Code		
			Use for intermodal shipments. If BX02 = 'X' and N711 = 'CN' or 'TL', then R205 is required. Use code value '20' for rail owned equipment and code value '60' for privately owned cars.		
X	<b>R206</b>	<b>91</b>	<b>Transportation Method/Type Code</b>		<b>O ID 1/2</b>
			Code specifying the method or type of transportation for the shipment		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	<b>R207</b>	<b>296</b>	<b>Intermediate Switch Carrier</b>		<b>X ID 2/4</b>
			Code defining a road which neither originates nor terminates the shipment but provides a switching service between two roadhaul rail carriers (SCAC code for rail switch carrier)		
X	<b>R208</b>	<b>296</b>	<b>Intermediate Switch Carrier</b>		<b>O ID 2/4</b>
			Code defining a road which neither originates nor terminates the shipment but provides a switching service between two roadhaul rail carriers (SCAC code for rail switch carrier)		
X	<b>R209</b>	<b>76</b>	<b>Invoice Number</b>		<b>O AN 1/22</b>
			Identifying number assigned by issuer		
X	<b>R210</b>	<b>373</b>	<b>Date</b>		<b>O DT 8/8</b>
			Date expressed as CCYYMMDD		
X	<b>R211</b>	<b>369</b>	<b>Free-form Description</b>		<b>O AN 1/45</b>
			Free-form descriptive text		
X	<b>R212</b>	<b>56</b>	<b>Type of Service Code</b>		<b>O ID 2/2</b>
			Code specifying extent of transportation service requested		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	<b>R213</b>	<b>742</b>	<b>Route Description</b>		<b>O AN 1/35</b>
			Point to point routing description		



**Segment:** **H3** Special Handling Instructions  
**Position:** 520  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 20  
**Purpose:** To specify special handling instructions in coded or free-form format  
**Syntax Notes:** 1 Only one of H301 or H302 may be present.  
**Semantic Notes:**  
**Comments:**

**Notes:** [168] H3 SEGMENT - Accessorial/Protective Service  
 SEGMENT CONDITION: Use when Accessorial/Protective Service applies.

**Data Element Summary**

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
>>	H301	152	<b>Special Handling Code</b>	X ID 2/3
			Code specifying special transportation handling instructions	
			[169] Accessorial/Protective Service Code	
			Use if shipper orders accessorial services from the carrier. Order accessorial services with this data element. To order accessorial services, the carrier industry requires the use of the H3 segment.	
			See Section 6.0 (Rail Carrier Shipment Information Implementation Convention) for the valid code list.	
			To find Section 6.0 on the web, go to <a href="https://dteb.lmi.org/dod/dteb.nsf/(DocLevel2)?OpenView&amp;cat1=IC&amp;cat2=4010">https://dteb.lmi.org/dod/dteb.nsf/(DocLevel2)?OpenView&amp;cat1=IC&amp;cat2=4010</a>	
			[Instructions: At that web location sign in as Guest and select the 404A IC.]	
X	H302	153	<b>Special Handling Description</b>	X AN 2/30
			Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate	
X	H303	241	<b>Protective Service Code</b>	O ID 1/4
			Code specifying perishable protective service- rail carriers only	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	H304	242	<b>Vent Instruction Code</b>	O ID 1/7
			Code specifying vent instructions	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	H305	257	<b>Tariff Application Code</b>	O ID 1/1
			Code indicating to which traffic a tariff applies	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

<b>Segment:</b>	<b>PS</b> Protective Service Instructions
<b>Position:</b>	530
<b>Loop:</b>	
<b>Level:</b>	
<b>Usage:</b>	Optional
<b>Max Use:</b>	5
<b>Purpose:</b>	To specify mechanical protective service and ventilation instructions
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If PS03 is present, then at least one of PS04 or PS14 is required.</li> <li>2 If PS04 is present, then PS03 is required.</li> <li>3 If PS14 is present, then PS03 is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 PS03 qualifies the temperature in PS04 and PS14.</li> <li>2 PS04 is the optimum allowable temperature condition for shipment.</li> <li>3 PS11 identifies the location of the heater. A "Y" indicates the heater is ceiling-mounted; an "N" indicates the heater is in the body.</li> <li>4 PS12 identifies whether or not the commodity is a food product. A "Y" indicates the commodity is a food product; an "N" indicates it is a non-food product.</li> <li>5 PS13 indicates the amount of doorway space for the full width of the car. A "Y" indicates the doorway space is not less than 30 inches for the full width of the car; an "N" indicates it is less than 30 inches.</li> <li>6 PS14 is the set temperature at service origin.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 PS05 through PS08 are used to specify the station to which the temperature applies. PS05 and PS06 are preferred over PS07 and PS08.</li> <li>2 PS09 is the weight of body ice in hundreds.</li> </ol>
<b>Notes:</b>	[170] PS SEGMENT - Heater/Refrigerated Temperature Control SEGMENT CONDITION: Use only for Heater/refrigerator service, i.e., use this segment when H301 contains 'HRS' (Heater/Refrigerator Service).

#### Data Element Summary

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b><u>Des.</u></b>	<b><u>Element</u> <u>Name</u></b>	<b><u>ID</u></b>
M	<b>PS01</b> <b>746</b> <b>Protective Service Rule Code</b>  Association of American Railroads (AAR) Protective Service that applies to shipment  [171] Rail Service Rule Code See Section 6.0 (Rail Carrier Shipment Information Implementation Convention) for the valid code list.  To find Section 6.0 on the web, go to <a href="https://dteb.lmi.org/dod/dteb.nsf/(DocLevel2)?OpenView&amp;cat1=IC&amp;cat2=4010">https://dteb.lmi.org/dod/dteb.nsf/(DocLevel2)?OpenView&amp;cat1=IC&amp;cat2=4010</a>  [Instructions: At that web location sign in as Guest and select the 404A IC.]	M ID 3/9
M	<b>PS02</b> <b>241</b> <b>Protective Service Code</b>  Code specifying perishable protective service- rail carriers only  [172] Protective Service Code	M ID 1/4

M Standard Mechanical Protective Service

[172] Standard Mechanical Protective Service

	<b>PS03</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>X ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			[173] Temperature Qualifier Required if PS04 is used.	
			FA Fahrenheit	
			[173] Fahrenheit	
	<b>PS04</b>	<b>408</b>	<b>Temperature</b>	<b>X R 1/4</b>
			Temperature	
			[174] Temperature	
X	<b>PS05</b>	<b>140</b>	<b>Standard Carrier Alpha Code</b>	<b>O ID 2/4</b>
			Standard Carrier Alpha Code	
X	<b>PS06</b>	<b>573</b>	<b>Freight Station Accounting Code</b>	<b>O ID 1/5</b>
			Code (Freight Station Accounting) (AAR Managed Code for Locations)	
X	<b>PS07</b>	<b>19</b>	<b>City Name</b>	<b>O AN 2/30</b>
			Free-form text for city name	
X	<b>PS08</b>	<b>156</b>	<b>State or Province Code</b>	<b>O ID 2/2</b>
			Code (Standard State/Province) as defined by appropriate government agency	
X	<b>PS09</b>	<b>81</b>	<b>Weight</b>	<b>O R 1/10</b>
			Numeric value of weight	
X	<b>PS10</b>	<b>745</b>	<b>Pre-Cooled (Rule 710) Code</b>	<b>O ID 1/1</b>
			Code indicating whether or not the shipment was precooled per Association of American Railroads Protective Service Rule 710	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	<b>PS11</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>O ID 1/1</b>
			Code indicating a Yes or No condition or response	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	<b>PS12</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>O ID 1/1</b>
			Code indicating a Yes or No condition or response	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	<b>PS13</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>O ID 1/1</b>
			Code indicating a Yes or No condition or response	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	<b>PS14</b>	<b>408</b>	<b>Temperature</b>	<b>X R 1/4</b>
			Temperature	

**Segment:** **LX** Assigned Number  
**Position:** 540  
**Loop:** LX Mandatory  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To reference a line number in a transaction set  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** [175] LX SEGMENT - Assigned Number

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M		554	Assigned Number	M N0 1/6
			Number assigned for differentiation within a transaction set	
			[176] Assigned Number	
			No leading zeros.	

**Segment:** **L5** Description, Marks and Numbers  
**Position:** 550  
**Loop:** LX Mandatory  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 15  
**Purpose:** To specify the line item in terms of description, quantity, packaging, and marks and numbers

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

**Semantic Notes:**

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

**Notes:** [177] L5 SEGMENT - Descriptions, Marks, and Numbers

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	L501	213	<b>Lading Line Item Number</b> <b>O N0 1/3</b>
			Sequential line number for a lading item [178] Lading Line Item Number This number matches L001. No leading zeros.
>>	L502	79	<b>Lading Description</b> <b>O AN 1/50</b>
			Description of an item as required for rating and billing purposes [179] Lading Description Clear text description of the line item. No generalized commodity descriptions are allowed. Can not use the verbiage "F.A.K." or "Freight All Kind" as the description of the line item. Any other description is acceptable. When mixed HAZMAT, L502 shall contain corresponding mixed hazardous verbiage. Required for cross-border shipments.
>>	L503	22	<b>Commodity Code</b> <b>X AN 1/30</b>
			Code describing a commodity or group of commodities [180] Standard Transportation Commodity Code (STCC) For cross-border shipments, do not use '4611115'. For "Freight All Kind" use 4611115 STCC code. If shipment is HAZMAT, field must contain 48/49 series HMRC number. For intermodal traffic, must contain mixed hazardous STCC 495 series HMRC number.
>>	L504	23	<b>Commodity Code Qualifier</b> <b>X ID 1/1</b>
			Code identifying the commodity coding system used for Commodity Code [181] STCC Qualifier Use code value 'L' when shipping empty.
		L	Last Contained Contents STCC [181] Last Contained Contents STCC
		T	Standard Transportation Commodity Code (STCC)

[181] Standard Transportation Commodity Code  
(STCC)

<b>X</b>	<b>L505</b>	<b>103</b>	<b>Packaging Code</b>	<b>O AN 3/5</b>
			Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>L506</b>	<b>87</b>	<b>Marks and Numbers</b>	<b>X AN 1/48</b>
			Marks and numbers used to identify a shipment or parts of a shipment	
<b>X</b>	<b>L507</b>	<b>88</b>	<b>Marks and Numbers Qualifier</b>	<b>O ID 1/2</b>
			Code specifying the application or source of Marks and Numbers (87)	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>L508</b>	<b>23</b>	<b>Commodity Code Qualifier</b>	<b>X ID 1/1</b>
			Code identifying the commodity coding system used for Commodity Code	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>L509</b>	<b>22</b>	<b>Commodity Code</b>	<b>X AN 1/30</b>
			Code describing a commodity or group of commodities	
<b>X</b>	<b>L510</b>	<b>595</b>	<b>Compartment ID Code</b>	<b>O ID 1/1</b>
			Code identifying the compartment in a compartmentalized tank car	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

**Segment:** **L0** Line Item - Quantity and Weight  
**Position:** 570  
**Loop:** L0 Optional (Must Use)  
**Level:**  
**Usage:** Optional (Must Use)  
**Max Use:** 1  
**Purpose:** To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data

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

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

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

**Notes:** [182] L0 SEGMENT - Line Item (Quantity and Weight)  
Sum the lading quantities and weights together for a single commodity with identical packaging types. If a commodity is shipped in multiple packaging types, begin a new L0-Line Item (Quantity and Weight) loop to account for each different packaging type.

CHANGE NOTE: Use note added per DM 655.

#### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>> L001	213	Lading Line Item Number	O N0 1/3
		Sequential line number for a lading item	
		[183] Lading Line Item Number	
		Enter sequential line number for a lading item (no leading zeros). Use sequential numbers to identify separate lading items (e.g., '1' for first lading item, '2' for second, etc.). This number matches the value contained in Lading Line Item Number, segment L501, position 550.	
L002	220	Billed/Rated-as Quantity	X R 1/11
		Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	
		[184] Billed/Rated-as Quantity	
		Use when rating a shipment on something other than weight.	
		A commodity is a single type of product or material. Transportation of a	

commodity is usually billed/rated by units of freight weight. A line item on a transportation bill describes a single commodity. The quantity of a line item commodity is described here in the L0 segment in the LX - Assigned Number Loop. One L0 segment occurs for each type pack under the line item. There may be many line items, i.e., L0-Line Item (Quantity and Weight) loops for the same commodity.

Two rules must be followed when constructing an L0 segment:

1) If the billed/rated quantity is the weight expressed in pounds, it appears here. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. The L004, L005, and L011 elements are not used.

2) If the billed/rated quantity is the weight expressed in gallons in the case of tank car shipments or is expressed in Barrels in the case of pipeline shipment, it also appears here. If entry does not contain a decimal, decimal is assumed at right-most point of the field. In addition, the L004, L005, and L011 elements are used to carry the weight information, if required.

CHANGE NOTE: Use note changed per DM 655.

**L003      221      Billed/Rated-as Qualifier      X    ID 2/2**

Code identifying the type of quantity or value on which the rate or item pricing is based

[185] Billed/Rated-as Qualifier

Use when rating a shipment on something other than weight.

BA	Barrels
	Identifies a billable unit expressed as a type of container

[185] Barrels

GL	Gallon
----	--------

[185] Gallon

LB	Pound
----	-------

[185] Pound

**L004      81      Weight      X    R 1/10**

Numeric value of weight

[186] Weight

Use L004 and L005 when the shipment is based on pounds.

Freight weight of line item described in pounds only. Freight weight is the weight that line haul rate is based on and may include skid, pallet, and dunnage weights, depending on the applicable tender. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.

**L005      187      Weight Qualifier      X    ID 1/2**

Code defining the type of weight

[187] Weight Qualifier

Use L004 and L005 when the shipment is based on pounds.

B	Billed Weight
---	---------------

			[187] Billed Weight	
	<b>L006</b>	<b>183</b>	<b>Volume</b>	<b>X R 1/8</b>
			Value of volumetric measure	
			[188] Volume	
			Enter value of volumetric measure. Use L006 and L007 when shipment is based on volume.	
	<b>L007</b>	<b>184</b>	<b>Volume Unit Qualifier</b>	<b>X ID 1/1</b>
			Code identifying the volume unit	
			[189] Volume Unit Qualifier	
			Use L006 and L007 when shipment is based on volume.	
			G Gallons	
			[189] Gallons	
>>	<b>L008</b>	<b>80</b>	<b>Lading Quantity</b>	<b>X N0 1/7</b>
			Number of units (pieces) of the lading commodity	
			[190] Lading Quantity	
>>	<b>L009</b>	<b>211</b>	<b>Packaging Form Code</b>	<b>X ID 3/3</b>
			Code for packaging form of the lading quantity	
			[191] Packaging Form Code	
			See Section 6.0 (Rail Carrier Shipment Information Implementation Convention) for the valid code list.	
			To find Section 6.0 on the web, go to <a href="https://dteb.lmi.org/dod/dteb.nsf/(DocLevel2)?OpenView&amp;cat1=IC&amp;cat2=4010">https://dteb.lmi.org/dod/dteb.nsf/(DocLevel2)?OpenView&amp;cat1=IC&amp;cat2=4010</a>	
			[Instructions: At that web location sign in as Guest and select the 404A IC.]	
X	<b>L010</b>	<b>458</b>	<b>Dunnage Description</b>	<b>O AN 2/25</b>
			Material used to protect lading	
	<b>L011</b>	<b>188</b>	<b>Weight Unit Code</b>	<b>O ID 1/1</b>
			Code specifying the weight unit	
			[192] Weight Unit Code	
			Required if L004 is used.	
			L Pounds	
			[192] Pounds	
X	<b>L012</b>	<b>56</b>	<b>Type of Service Code</b>	<b>O ID 2/2</b>
			Code specifying extent of transportation service requested	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	<b>L013</b>	<b>380</b>	<b>Quantity</b>	<b>X R 1/15</b>
			Numeric value of quantity	
X	<b>L014</b>	<b>211</b>	<b>Packaging Form Code</b>	<b>O ID 3/3</b>
			Code for packaging form of the lading quantity	
			Refer to 004010 Data Element Dictionary for acceptable code values.	



**Segment:** **PI Price Authority Identification**

**Position:** 590

**Loop:** L0 Optional (Must Use)

**Level:**

**Usage:** Optional (Must Use)

**Max Use:** 30

**Purpose:** To communicate basis of pricing, such as contract number, quote number, or tariff number

**Syntax Notes:** 1 If PI14 is present, then PI12 is required.

2 If PI15 is present, then PI13 is required.

**Semantic Notes:** 1 PI07 is the price authority suffix for the contract.

2 PI08 is the price authority item number.

3 PI09 is the price authority supplement.

4 PI10 is the price authority section number.

5 PI11 is the price authority suffix for tariff.

6 PI12 is the effective date.

7 PI13 is the expiration date.

**Comments:**

**Notes:** [193] PI SEGMENT - Tender Information

#### Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	PI01	128	<b>Reference Identification Qualifier</b>	M ID 2/3
			Code qualifying the Reference Identification	
			[194] Rate Agreement Qualifier	
			CT Contract Number	
			[194] Contract Number	
M	PI02	127	<b>Reference Identification</b>	M AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			[195] Tender Number	
			Carry only the six-position numeric value here; the alpha prefix is carried in PI06 and the two-position (suffix) supplement is carried in PI07, as required.	
>>	PI03	436	<b>Primary Publication Authority Code</b>	O ID 2/2
			Code indicating type of external reference	
			[196] Primary Publication Authority Code	
			TP Tariff Publication	
			[196] Tariff Publication	
X	PI04	930	<b>Regulatory Agency Code</b>	O ID 3/5
			Code relating to the regulatory agency governing the price reference	
>>	PI05	168	<b>Tariff Agency Code</b>	O ID 1/4
			Code defining the tariff bureau or tariff publishing agent that governs the	

			rates applied to this shipment	
			[197] Origin Carrier SCAC	
>>	<b>PI06</b>	<b>965</b>	<b>Issuing Carrier Identifier</b>	<b>O AN 1/10</b>
			Identification assigned by issuing carrier	
			[198] Tender Alpha Prefix	
			Carry alpha part of tender number here. Note: Same as SCAC.	
	<b>PI07</b>	<b>660</b>	<b>Contract Suffix</b>	<b>O AN 1/2</b>
			Used to identify a type of contract	
			[199] Tender Supplement	
X	<b>PI08</b>	<b>169</b>	<b>Tariff Item Number</b>	<b>O AN 1/16</b>
			Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment	
X	<b>PI09</b>	<b>173</b>	<b>Tariff Supplement Identifier</b>	<b>O AN 1/4</b>
			Identifier for the tariff supplement which contains the rate used	
X	<b>PI10</b>	<b>172</b>	<b>Tariff Section</b>	<b>O AN 1/2</b>
			Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff	
X	<b>PI11</b>	<b>660</b>	<b>Contract Suffix</b>	<b>O AN 1/2</b>
			Used to identify a type of contract	
X	<b>PI12</b>	<b>373</b>	<b>Date</b>	<b>X DT 8/8</b>
			Date expressed as CCYYMMDD	
X	<b>PI13</b>	<b>373</b>	<b>Date</b>	<b>X DT 8/8</b>
			Date expressed as CCYYMMDD	
X	<b>PI14</b>	<b>629</b>	<b>Alternation Precedence Code</b>	<b>O ID 1/1</b>
			Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual carrier rules and procedures shall govern	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	<b>PI15</b>	<b>629</b>	<b>Alternation Precedence Code</b>	<b>O ID 1/1</b>
			Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual carrier rules and procedures shall govern	
			Refer to 004010 Data Element Dictionary for acceptable code values.	

**Segment:** **LS** Loop Header  
**Position:** 670  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To indicate that the next segment begins a loop  
**Syntax Notes:**  
**Semantic Notes:** 1 One loop may be nested contained within another loop, provided the inner nested loop terminates before the outer loop. When specified by the standard setting body as mandatory, this segment in combination with "LE", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The value for the identifier is the loop ID of the required loop segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.  
**Comments:** 1 See Figures Appendix for an explanation of the use of the LS and LE segments.  
**Notes:** [200] LS SEGMENT - Loop Header  
 LOOP CONDITION: Use this loop to describe HAZMAT (LH1 loop) items.

#### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	LS01	447 Loop Identifier Code	M AN 1/6
		The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE	
		[201] Loop Identifier Code	
		Whole number incremented by 1 for each LH1 loop.	

**Segment:** **LH1** **Hazardous Identification Information**

**Position:** 680

**Loop:** LH1 Optional

**Level:**

**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:** [202] LH1 SEGMENT - HAZMAT Quantities  
 LOOP CONDITION: This loop occurs for each HAZMAT line item described in the LX loop in position 540.

**Data Element Summary**

Ref.	Data	Element	Name	Attributes
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	
			[203] HAZMAT - Unit of Measure Code Contains the code identifying the unit of measure (type of packaging) for which the data in LH102 is reported. See Section 6.0 for appropriate code values.	
			See Section 6.0 (Rail Carrier Shipment Information Implementation Convention) for the valid code list.	
			To find Section 6.0 on the web, go to <a href="https://dteb.lmi.org/dod/dteb.nsf/(DocLevel2)?OpenView&amp;cat1=IC&amp;cat2=4010">https://dteb.lmi.org/dod/dteb.nsf/(DocLevel2)?OpenView&amp;cat1=IC&amp;cat2=4010</a>	
			[Instructions: At that web location sign in as Guest and select the 404A IC.]	
M	LH102	80	Lading Quantity	M N0 1/7
			Number of units (pieces) of the lading commodity	
			[204] Lading Quantity Contains the number of units (pieces) of the lading commodity. 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

[205] UN/NA Identification Code

Contains the United Nations/North America (UN/NA) code.

**X**      **LH104**      **200**      **Hazardous Materials Page**      **O AN 1/6**  
The United Nations page number as required for the international transport of hazardous materials

**>>**      **LH105**      **22**      **Commodity Code**      **O AN 1/30**  
Code describing a commodity or group of commodities

[206] STCC

From 858, L503. Must contain 7 digit numeric hazardous material response code (HMRC).

**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

[207] HAZMAT - Unit of Measure Code

Use the unit of measure codes only for quantity or volume of non-bulk hazardous shipments. This includes all codes referenced in LH101 to express type of packaging (will typically be pounds, kilograms, cubic feet, or a unit of measure other than pieces).

See Section 6.0 (Rail Carrier Shipment Information Implementation Convention) for the valid code list.

To find Section 6.0 on the web, go to

[https://dteb.lmi.org/dod/dteb.nsf/\(DocLevel2\)?OpenView&cat1=IC&cat2=4010](https://dteb.lmi.org/dod/dteb.nsf/(DocLevel2)?OpenView&cat1=IC&cat2=4010)

[Instructions: At that web location sign in as Guest and select the 404A IC.]

CHANGE NOTE: Attribute changed per DM 650 to conditional; data element used only for non-bulk hazardous shipments.

**LH107**      **380**      **Quantity**      **O R 1/15**

Numeric value of quantity

[208] Quantity

Use the unit of measure codes only for non-bulk hazardous shipments  
Quantity refers to the amount (i.e., weight in pounds/kilograms, volume in cubic feet, or other such measurement) of the HAZMAT commodity to be transported.

CHANGE NOTE: Attribute changed per DM 650 to conditional; data element used only for non-bulk hazardous shipments.

**X**      **LH108**      **595**      **Compartment ID Code**      **O ID 1/1**

Code identifying the compartment in a compartmentalized tank car

Refer to 004010 Data Element Dictionary for acceptable code values.

	<b>LH109</b>	<b>665</b>	<b>Residue Indicator Code</b>	<b>O ID 1/1</b>
			Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded	
			[209] Residue Indicator Code	
			Use this element and code value 'R' if required to indicate that the unit being shipped is empty and contains a residue from a prior movement, reference 49 CFR 172.203(e). In this situation, L504 should use code value 'L' to indicate 'Last Contained Contents'.	
			R	Residue Last Contained Description (Tank Car)
				[209] Residue Last Contained Description (Tank Car)
	<b>LH110</b>	<b>254</b>	<b>Packing Group Code</b>	<b>O ID 1/3</b>
			Code indicating degree of danger in terms of Roman number I, II or III	
			[210] Packing Group Code	
			Use this element when required to indicate the 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.	
<b>X</b>	<b>LH111</b>	<b>1375</b>	<b>Interim Hazardous Material Regulatory Number</b>	<b>O AN 1/5</b>
			Identifies the current regulatory version number used for hazardous materials shipments	

**Segment:** **LH2 Hazardous Classification Information**

**Position:** 690

**Loop:** LH1 Optional

**Level:**

**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.
  - 4 If either LH212 or LH213 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:** [211] LH2 SEGMENT - Hazardous Classification Information  
 SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used. If available, subsidiary class is required for Canadian shipments.

**Data Element Summary**

Ref.	Data	Data Element Summary		Attributes
Des.	Element	Name		
>>	LH201	215	<b>Hazardous Classification</b>	<b>O ID 1/30</b>
			The hazardous classification corresponding to the shipping name of the hazardous commodity	
			[212] Hazardous Classification 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 '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.	
>>	LH202	983	<b>Hazardous Class Qualifier</b>	<b>O ID 1/1</b>
			Code qualifying hazardous class	
			[213] Hazardous Class Qualifier Use code value 'S' for Canadian shipments.	
		P	Primary	
			[213] Primary	
		S	Secondary	
			[213] Secondary	
X	LH203	218	<b>Hazardous Placard Notation</b>	<b>O ID 14/40</b>
			The placard notation corresponding to the hazard class of the hazardous commodity	
X	LH204	222	<b>Hazardous Endorsement</b>	<b>O ID 4/25</b>

The placard endorsement that is to be shown on the shipping papers for the hazardous commodity

	<b>LH205</b>	<b>759</b>	<b>Reportable Quantity Code</b>	<b>O ID 2/2</b>
			Code to identify presence of hazardous substance	
			[214] Reportable Quantity Code	
			Element required when necessary to indicate a reportable quantity is present in the shipment. For empty packagings or units containing the residue of a hazardous material, reference 49 CFR 172.203(e).	
			RQ Reportable Quantity	
			[214] Reportable Quantity	
	<b>LH206</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>X ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			[215] HAZMAT Flashpoint Temperature Code	
			Required when LH207 is used.	
			CE Centigrade, Celsius	
			[215] Centigrade	
			FA Fahrenheit	
			[215] Fahrenheit	
	<b>LH207</b>	<b>408</b>	<b>Temperature</b>	<b>X R 1/4</b>
			Temperature	
			[216] HAZMAT Flashpoint Temperature	
<b>X</b>	<b>LH208</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>X ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>LH209</b>	<b>408</b>	<b>Temperature</b>	<b>X R 1/4</b>
			Temperature	
<b>X</b>	<b>LH210</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>X ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>LH211</b>	<b>408</b>	<b>Temperature</b>	<b>X R 1/4</b>
			Temperature	
<b>X</b>	<b>LH212</b>	<b>188</b>	<b>Weight Unit Code</b>	<b>X ID 1/1</b>
			Code specifying the weight unit	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>LH213</b>	<b>267</b>	<b>Net Explosive Quantity</b>	<b>X N0 1/6</b>
			Net weight of the explosive quantity of the hazardous commodity	

**Segment:** **LH3** **Hazardous Material Shipping Name**

**Position:** 700

**Loop:** LH1 Optional

**Level:**

**Usage:** Optional

**Max Use:** 10

**Purpose:** To specify the hazardous material shipping name and additional descriptive requirements

**Syntax Notes:** 1 If either LH301 or LH302 is present, then the other is required.

**Semantic Notes:** 1 If LH304 is "Y", then this is an Association of American Railroads Operations and Transportation Bulletin 55 commodity. If "N", it is not an Association of American Railroads Operations and Transportation Bulletin 55 commodity.

**Comments:**

**Notes:** [217] LH3 SEGMENT - Hazardous Material Shipping Name  
SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
>>	<b>LH301</b>	<b>224 Hazardous Material Shipping Name</b>	<b>X AN 1/25</b>
		The proper shipping name of the hazardous commodity as specified by the Code of Federal Regulations, Title 49	
		[218] Hazardous Material Shipping Name From table at 49 CFR 172.101, column 2. Mandatory for all HAZMAT shipments including ammunition and explosives. See 49 CFR 172.202 for additional details. Place remainder of Proper Shipping Name exceeding 25 characters in another occurrence of the LH3. Can not hyphenate/break a shipping name regardless of field length unless the name is broken where hyphens already exist.	
>>	<b>LH302</b>	<b>984 Hazardous Material Shipping Name Qualifier</b>	<b>X ID 1/1</b>
		Qualifier indicating the source (regulatory) of the proper shipping name	
		[219] Hazardous Material Shipping Name Qualifier	
		C Canadian Shipping Name [219] Canadian Shipping Name	
		D Domestic (United States) Shipping Name [219] Domestic (United States) Shipping Name	
		I International Shipping Name [219] International Shipping Name	
	<b>LH303</b>	<b>985 N.O.S. Indicator Code</b>	<b>O ID 3/3</b>
		Code indicating the type of regulatory requirements that apply to a description; N.O.S. stands for Not Otherwise Specified	
		[220] NOS Indicator Code If this field is used, an LFH segment must follow using code value 'TEC' in LFH01.	
		NOS N.O.S. Regulatory Requirements Apply	

<b>X</b>	<b>LH304</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>O ID 1/1</b>
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Code indicating a Yes or No condition or response  
Refer to 004010 Data Element Dictionary for acceptable code values.

**Segment:** **LFH** Freeform Hazardous Material Information

**Position:** 710

**Loop:** LH1 Optional

**Level:**

**Usage:** Optional

**Max Use:** 20

**Purpose:** To uniquely identify the variable information required by government regulation covering the transportation of hazardous material shipments

**Syntax Notes:** 1 If either LFH05 or LFH06 is present, then the other is required.

**Semantic Notes:** 1 LFH06 indicates activity of the radioactive material.

2 LFH07 indicates transport index of the radioactive material.

**Comments:**

**Notes:** [221] LFH SEGMENT - Hazardous Material Additional Shipment Information  
SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.  
[226] LFH SEGMENT - Net Explosive Weight (NEW)  
SEGMENT CONDITION: Required if shipment contains explosives.

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	<b>LFH01</b>	<b>808 Hazardous Material Shipment Information Qualifier</b>	<b>M ID 3/3</b>
		Qualifier indicating the type of information being passed so that a receiver may format a description of hazardous commodity movements that meets regulatory requirements	
		[222] Hazardous Material Additional Shipment Information Qualifier Contains the HAZMAT shipment information qualifier indicating the type of information being passed. Mandatory for all explosives unless otherwise noted in 49 CFR 172.320. Use interim EX-number for explosives waiting for final classification.	
		If the X12 code definition accompanying a LFH01 code value contains text in quotations, place the part in quotations in LFH02. If the code definition contains no quotations, see the user note in LFH02 for further guidance.	
		If the N.O.S. indicator is specified in LH303, use 'TEC' in this data element.	
		Use code value 'ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the shipper' for other information not accounted for in the code list. Enter additional information that must appear in association with the shipment's basic description according to 49 CFR. Use additional occurrences of LFH segment as necessary for each code that applies to shipment.	
		[227] HAZMAT Qualifier	
		ADI	Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper

	[222] Additional Descriptive Information Not Required by Regulation but Desired to Acc
	[227] Additional Descriptive Information Not Required by Regulation but Desired to Acc
DWW	"Dangerous When Wet" Declaration
	[222] "Dangerous When Wet" Declaration
HOT	Identifies Products in a Heated Molten State
	[222] Identifies Products in a Heated Molten State
HZC	Hazardous Substance Constituents
	[222] Hazardous Substance Constituents
LQY	"Limited Quantity" Declaration
	[222] "Limited Quantity" Declaration
MOS	Maximum Operating Speed
	[222] Maximum Operating Speed
MPI	Marine Pollutant
	[222] Marine Pollutant
PIH	"Poison - Inhalation Hazard" Declaration
	[222] "Poison - Inhalation Hazard" Declaration
POI	"Poison" Declaration
	[222] "Poison" Declaration
RAM	Radioactive Material Data
	[222] Radioactive Material Data
TEC	Technical or Chemical Group Name
	[222] Technical or Chemical Group Name

**M            LFH02            809            Hazardous Material Shipment Information            M    AN 1/25**

Specific information required by law for hazardous material shipments

[223] Hazardous Material Additional Shipment Information  
 Contains specific information about the HAZMAT shipment. When applicable, use the descriptive narrative from LFH01. If LFH01 = 'ADI', use this element for any overflow information from LFH01 or 49 CFR except Proper Shipping Name. Use LFH03 for additional overflow.

If LFH01 = 'PIH', enter "Poisonous - Inhalation Hazard, Zone X", where X is the code designated in LFH04.

If LFH01 = 'HOT', enter "HOT" [See 49 CFR 172.203(n)].

If LFH01 = 'RAM', enter the appropriate text in quotes as specified by 49 CFR 172.203(d).

If LFH01 = 'LQY', enter "Ltd Qty" or "Limited Quantity".

If LFH01 = 'HZC', enter "Hazardous substance constituents."

If LFH01 = 'MOS', enter "Maximum operating speed."

If LFH01 = 'MPI', enter "Marine Pollutant."

If LFH01 = 'POI', enter "Poison" and use a second LFH with code value 'ADI' to indicate the Infectious Risk Group Information.

If LFH01 = 'ADI', enter appropriate infectious Risk Group or Fumigation Information.

For N.O.S. code (LFH01 = 'TEC'), enter the technical or chemical group name in parentheses. Place overflow in LFH03. Do not close parentheses until end of description is reached.

[228] HAZMAT Net Explosive Weight

**LFH03 809 Hazardous Material Shipment Information O AN 1/25**

Specific information required by law for hazardous material shipments

[224] Hazardous Material Additional Shipment Information

Use for description overflow from LFH02. Use LFH01, 02, and 03 as a set and repeat loop as necessary to convey all additional basic description information.

[229] HAZMAT NEW UOM

Use codes 'PN' or 'GA' to denote Pounds or Gallons.

**LFH04 1023 Hazard Zone Code O ID 1/1**

Code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone

[225] Hazard Zone Code

Use applicable Hazard Zone Code when LFH01 = PIH. Contains the code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone.

A Hazard Zone A

[225] Hazard Zone A

B Hazard Zone B

[225] Hazard Zone B

C Hazard Zone C

[225] Hazard Zone C

D Hazard Zone D

[225] Hazard Zone D

**X LFH05 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

Refer to 004010 Data Element Dictionary for acceptable code values.

**X LFH06 380 Quantity X R 1/15**

Numeric value of quantity

**X LFH07 380 Quantity O R 1/15**

Numeric value of quantity

**Segment:** **LH4** Canadian Dangerous Requirements  
**Position:** 730  
**Loop:** LH1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify additional Transport Canada requirements covering transportation of dangerous goods in Canada  
**Syntax Notes:** 1 If either LH408 or LH412 is present, then the other is required.  
**Semantic Notes:** 1 LH411 is an additional telephone number.  
**Comments:** 1 LH402 is used for the emergency response plan telephone number.  
 2 LH404 is for the first subsidiary classification.  
 3 LH405 is for the second subsidiary classification.  
 4 LH406 is for the third subsidiary classification.  
**Notes:** [230] LH4 SEGMENT - Canadian Dangerous Requirements  
 SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.

#### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	LH401	238	<b>Emergency Response Plan Number</b> <b>O AN 1/12</b>
			The identity number of a specific hazardous emergency response plan that is assigned by the Director General of Canada
			[231] Emergency Response Plan Number Required if the commodity is listed in Schedule XII of the Canadian TDG regulations.
>>	LH402	364	<b>Communication Number</b> <b>O AN 1/80</b>
			Complete communications number including country or area code when applicable
			[232] Communication Number Required if LH401 is present.
X	LH403	254	<b>Packing Group Code</b> <b>O ID 1/3</b>
			Code indicating degree of danger in terms of Roman number I, II or III
X	LH404	230	<b>Subsidiary Classification</b> <b>O ID 1/3</b>
			Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers
X	LH405	230	<b>Subsidiary Classification</b> <b>O ID 1/3</b>
			Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers
X	LH406	230	<b>Subsidiary Classification</b> <b>O ID 1/3</b>
			Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers
	LH407	271	<b>Subsidiary Risk Indicator</b> <b>O ID 1/2</b>
			Code identifying the type of subsidiary risk

			[233] Subsidiary Risk Indicator Code identifying the type of subsidiary risk.	
		I	Potentially Very Damaging To The Eyes	
			[233] Potentially Very Damaging To The Eyes	
<b>LH408</b>	<b>267</b>	<b>Net Explosive Quantity</b>		<b>X N0 1/6</b>
			Net weight of the explosive quantity of the hazardous commodity	
			[234] Net Explosive Quantity Use for Class 1 Dangerous Goods - express the net weight of the explosive quantity.	
<b>LH409</b>	<b>805</b>	<b>Canadian Hazardous Notation</b>		<b>O AN 1/25</b>
			Notation required by Canadian regulatory agencies	
			[235] Canadian Hazardous Notation Use only if transporting "Anhydrous Ammonia" - UN1005	
<b>LH410</b>	<b>986</b>	<b>Special Commodity Indicator Code</b>		<b>O ID 1/1</b>
			Code indicating 'Special Commodity' notation on operational waybill as identified by the Transportation of Dangerous Goods Act and Regulation (TDG)	
			[236] Special Commodity Indicator Code Code indicating special commodity as identified by the Transportation of Dangerous Goods Act and Regulation.	
		S	Positive Indicator	
			[236] Positive Indicator	
<b>X</b>	<b>LH411</b>	<b>364</b>	<b>Communication Number</b>	<b>O AN 1/80</b>
			Complete communications number including country or area code when applicable	
	<b>LH412</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>X ID 2/2</b>
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			[237] Unit or Basis for Measurement Code Identifies unit of measure in LH408.	
		KG	Kilogram	
			[237] Kilogram	
		PN	Pounds Net	
			[237] Pounds Net	

**Segment:** **LHT** Transborder Hazardous Requirements  
**Position:** 740  
**Loop:** LH1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To specify the placard information required by the second government agency when shipment is to cross into another country

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

**Comments:**

**Notes:** [238] LHT SEGMENT - Transborder Hazardous Requirements  
 SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
>>	LHT01	215 <b>Hazardous Classification</b>	<b>O ID 1/30</b>
		The hazardous classification corresponding to the shipping name of the hazardous commodity	
		[239] Hazardous Classification For US to Canada transborder moves, this field must contain the information required by the Canadian regulations when the proper shipping name is Anhydrous Ammonia and/or Anhydrous Ammonia Solutions.	
X	LHT02	218 <b>Hazardous Placard Notation</b>	<b>O ID 14/40</b>
		The placard notation corresponding to the hazard class of the hazardous commodity	
X	LHT03	222 <b>Hazardous Endorsement</b>	<b>O ID 4/25</b>
		The placard endorsement that is to be shown on the shipping papers for the hazardous commodity	

**Segment:** **LHR** Hazardous Material Identifying Reference Numbers  
**Position:** 750  
**Loop:** LH1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 5  
**Purpose:** To transmit specific hazardous material reference numbers  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Notes:** [240] LHR SEGMENT - Hazardous Material DOT Explosive Approval Number  
 SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.  
 [244] LHR SEGMENT - HAZMAT - DoD Identification Code (DoDIC)  
 SEGMENT CONDITION: Required if the HAZMAT shipment contains ammunition.  
 (Map from N9 segment, position 100 in 858R transaction.)  
 [247] LHR SEGMENT - Competent Authority Approval Number  
 SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.  
 [250] LHR SEGMENT - DOT Exemption (DOT-E) Number  
 SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.  
 [253] LHR SEGMENT - Int'n Maritime Dangerous Goods Code  
 SEGMENT CONDITION: Use this segment if the HAZMAT shipment requires international regulation.

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	LHR01	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		[245] HAZMAT - DoD Identification Code (DoDIC) Qualifier Required if the HAZMAT shipment contains ammunition. Code value should be read as 'one eye'.	
		[248] Competent Authority Approval Number Qualifier	
		[241] HAZMAT - DOT Explosive Approval Number Qualifier	
		[251] DOT Exemption (DOT-E) Number Qualifier	
		[254] HAZMAT - Int'n Maritime Dangerous Goods Code (IMDG) Qualifier	
		II Department of Defense Identification Code (DoDIC) Qualifies a code that uniquely identifies a type of explosive or ammunition	
		[245] Department of Defense Identification Code (DoDIC)	
		HA Competent Authority	
		[248] Competent Authority	
		HD Department of Transportation Hazardous Number	
		[241] Department of Transportation Hazardous Number	

HE	Hazardous Exemption Number [251] Hazardous Exemption Number
IM	Intergovernmental Maritime Organization (IMO) Number [254] Intergovernmental Maritime Organization (IMO) Number

**M LHR02 127 Reference Identification M AN 1/30**

Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

[242] HAZMAT - DOT Explosive Approval Number (EX-number)  
Product codes and national stock numbers must be traceable to the specific EX-number (also referred to as hazard classification approval number) assigned by the Associate Administrator for Hazardous Materials Safety. Reference 49 CFR 172.320 and 173.56(b).

[246] HAZMAT - DoD Identification Code (DoDIC)  
Mandatory for all ammunition and explosives. Also called Navy Ammunition Logistics Code (NALC).

[249] Competent Authority Approval Number  
Issued by Department of Transportation, approval number is CA-YYNNNA, where Y = year, N = approval number within that year, and A is an optional alphanumeric designator. Only applicable when DoD requires an exception to the international performance oriented packaging rules.

[252] DOT Exemption (DOT-E) Number  
Identifies the DOT Exemption to any of the 49 CFR Regulations for HAZMAT materials. Normally used only for domestic shipments. Can be used for international shipments but is not guaranteed to be accepted by international customs. Reference 49 CFR 172.2(a).

[255] HAZMAT - Int'n Maritime Dangerous Goods Code (IMDG)

**LHR03 373 Date O DT 8/8**

Date expressed as CCYYMMDD

[243] Date

**Segment:** **PER Administrative Communications Contact**

**Position:** 755

**Loop:** LH1 Optional

**Level:**

**Usage:** Optional

**Max Use:** 5

**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:** [256] PER SEGMENT - Canadian Shipment Contact  
SEGMENT CONDITION: Required for all HAZMAT shipments.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named [257] Contact Function Code HM Hazardous Material Contact [257] Hazardous Material Contact	M ID 2/2
X	PER02	93	<b>Name</b> Free-form name	O AN 1/60
>>	PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number [258] Communication Number Qualifier TE Telephone [258] Telephone	X ID 2/2
>>	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable [259] Communication Number The words "24 hour number" must appear before the telephone number for Canadian shipments only.	X AN 1/80
X	PER05	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
X	PER06	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X AN 1/80

<b>X</b>	<b>PER07</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X ID 2/2</b>
			Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values.	
<b>X</b>	<b>PER08</b>	<b>364</b>	<b>Communication Number</b>	<b>X AN 1/80</b>
			Complete communications number including country or area code when applicable	
<b>X</b>	<b>PER09</b>	<b>443</b>	<b>Contact Inquiry Reference</b>	<b>O AN 1/20</b>
			Additional reference number or description to clarify a contact number	

**Segment:** **LE** Loop Trailer  
**Position:** 760  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To indicate that the loop immediately preceding this segment is complete  
**Syntax Notes:**  
**Semantic Notes:** 1 One loop may be nested contained within another loop, provided the inner nested loop terminates before the other loop. When specified by the standards setting body as mandatory, this segment in combination with "LS", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The value for the identifier is the loop ID of the required loop beginning segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.  
**Comments:** 1 See Figures Appendix for an explanation of the use of the LE and LS segments.  
**Notes:** [260] LE SEGMENT - Loop Trailer  
 SEGMENT CONDITION: Use this segment if LS segment is used.

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element Name</b>	
M	447 Loop Identifier Code	M AN 1/6
	The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE	
	[261] Loop Identifier Code Use same value as LS01.	

**Segment:** **PER** Administrative Communications Contact  
**Position:** 770  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 5  
**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:**

[262] PER SEGMENT - Shipment Contact  
 SEGMENT CONDITION: Use only for HAZMAT shipments with single point of contact. Do not use if shipment is to Canada; use Canadian Shipment Contact PER Segment.  
 [266] PER SEGMENT - Canadian Shipment Contact  
 SEGMENT CONDITION: Use if shipment is to Canada and is HAZMAT. For Canadian shipments - no phone extensions are allowed - the number must be a direct line.  
 [270] PER SEGMENT Emergency SDDC Contact  
 SEGMENT CONDITION: Use only if shipment contains multiple HAZMAT commodities with different emergency contacts. For Canadian shipments - no phone extensions are allowed - the number must be a direct line.

**Data Element Summary**

Ref.	Data		
<u>Des.</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	
		[267] Canadian Shipment Contact Qualifier Use code value 'CN' to denote Canadian Contact.	
		[271] Emergency Contact Qualifier Use code value 'EF' to denote Emergency Contact - Military Surface Deployment and Distribution Command (SDDC) (Formerly MTMC)	
		[263] Shipment Contact Qualifier If shipment is to Canada and HAZMAT, use additional PER segment for additional Canadian HAZMAT contact.	
		CN General Contact	
		[267] General Contact	
		EF Emergency Contact-Military Traffic Management Command (MTMC)	
		[271] Emergency Contact-Military Traffic Management Command (MTMC)	
		HM Hazardous Material Contact	

				[263] Hazardous Material Contact
X	PER02	93	<b>Name</b>	O AN 1/60
			Free-form name	
>>	PER03	365	<b>Communication Number Qualifier</b>	X ID 2/2
			Code identifying the type of communication number	
			[264] Communications Qualifier	
			[268] Canadian Communications Qualifier	
			[272] Communication Qualifier	
			TE Telephone	
			[264] Telephone	
			[268] Telephone	
			[272] Telephone	
>>	PER04	364	<b>Communication Number</b>	X AN 1/80
			Complete communications number including country or area code when applicable	
			[265] Shipment Contact Telephone Number	
			Telephone number of shipment POC.	
			[269] Canadian Shipment Contact Telephone Number	
			Telephone number of shipment POC.	
			[273] Emergency Contact Telephone Number	
X	PER05	365	<b>Communication Number Qualifier</b>	X ID 2/2
			Code identifying the type of communication number	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	PER06	364	<b>Communication Number</b>	X AN 1/80
			Complete communications number including country or area code when applicable	
X	PER07	365	<b>Communication Number Qualifier</b>	X ID 2/2
			Code identifying the type of communication number	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
X	PER08	364	<b>Communication Number</b>	X AN 1/80
			Complete communications number including country or area code when applicable	
X	PER09	443	<b>Contact Inquiry Reference</b>	O AN 1/20
			Additional reference number or description to clarify a contact number	

**Segment:** **LH6** Hazardous Certification  
**Position:** 800  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 5  
**Purpose:** To specify the name of the person certifying that the shipment complies with the regulations and/or the actual certification

**Syntax Notes:** 1 If either LH602 or LH603 is present, then the other is required.

**Semantic Notes:**

**Comments:**

**Notes:** [274] LH6 SEGMENT - Hazardous Certification  
 SEGMENT CONDITION: Use only for HAZMAT shipments.

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
>>	LH601	93	Name Free-form name [275] HAZMAT - Certifying Person (49 CFR Compliance) If unknown enter 'Transportation Officer'.	O AN 1/60
X	LH602	272	<b>Hazardous Certification Code</b> Code indicating the form of the hazardous certification Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
X	LH603	273	<b>Hazardous Certification Declaration</b> Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations	X AN 1/25
X	LH604	273	<b>Hazardous Certification Declaration</b> Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations	O AN 1/25

**Segment:** **SE** Transaction Set Trailer  
**Position:** 840  
**Loop:**  
**Level:**  
**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:** [276] SE SEGMENT - Rail Carrier Information Trailer

#### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	<b>Number of Included Segments</b> M N0 1/10 Total number of segments included in a transaction set including ST and SE segments [277] Number of Included Segments Total segments in this transaction set including the ST and SE segments.
M	SE02	329	<b>Transaction Set Control Number</b> 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 [278] 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.

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## Section 4.0

# IC ELEMENT MATRIX

### OVERVIEW

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

### PURPOSE

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

### HOW TO READ THE IC ELEMENT MATRIX

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

#### *Record Types*

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

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

#### *Two Categories of Record Information*

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

- IC application information describes attributes outside the structure and syntax of the ASC X12 standard.

- ASC X12 information is attached to each IC element. That information is extracted directly from the X12 standard dictionary and enables programmers to map the IC element into the standards.

### *Matrix Layout*

The IC element matrix lists information in sixteen columns.

- IC Index Number (Index) enables designers and programmers to quickly cite a record in the matrix.
- IC Data Group Number (DG) is a number assigned by the IC developers. That number identifies an IC element with a group of elements that form a database table within the application data model. In order to quickly reference a table, Defense transportation developers label database tables with a Data Group number. For example, a “Bill To Address” may belong to the “PURCHASE ORDER” parent table with GRP = 10. A “Stop-off Delivery Address” may belong to the “ITEM DELIVERY” child table with GRP = 60.
- IC Data Element Name (Data Name) is a label for each data element using terminology common to the business environment. The IC element matrix identifies an element as a “Route Order Number Qualifier.” This is more concise than using the generic X12 label of “Qualifier.” A segment header record identifies the segment ID in this field.
- IC Notes & Codes (DoD Information Notes and Codes) can contain application notes about various segment and element conditions or requirements. This column may also list both X12 standard codes and DoD unique codes. If the list is larger than 20 codes, it may appear in the section that contains Code Lists.
- IC Attributes (Attributes). When part of a segment header record, this column indicates the usage of the segment. When part of an element record, this column indicates the usage of the element within the segment, if the segment is used. Attributes may differ from those in the ASC X12 standard. For example, if trading partners expect to exchange a purchase order number that has a specific length and structure, those attributes are described here. Attributes include requirement designator, data element type, minimum length and maximum length.
- X12 Transaction Set Table Number (Tabl).
- X12 Segment Position (Pos).
- X12 Requirement Designator (Req Des) . This column applies only to Segment Header type matrix records.
- X12 Maximum Usage (Max Use). This column applies only to Segment Header type matrix records.
- X12 Loop Repeat (Lp Rpt) indicates the number of times a loop may be used. This column applies only to Segment Header type matrix records.
- X12 Loop Level (Lp Lv). Loops may be nested within other loops. This column indicates the nesting level for each loop and applies only to Segment Header type matrix records.
- X12 Loop ID (Lp ID). This column applies only to Segment Header type matrix records.
- X12 Segment Reference Designator (Ref Des) . This column applies only to Element type matrix records.

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

### *Sort Order of the Matrix*

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

### APPLICATION NOTES

The IC element matrix in this section maps data requirements for the bill of lading into the ASC X12 Transaction Set 404 Rail Carrier Shipment Information. These requirements were developed by transportation activities involved in the DoD electronic data interchange effort.

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

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name	Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
1		<b>ST SEGMENT - Rail Carrier Information Header</b>		M	1	10	M	1							
2		Transaction Set Identifier Code		M ID 3/3	1	10		1				ST01	143	M ID 3/3	
		404 - Rail Carrier Shipment Information													
3		Transaction Set Control Number		M AN 4/9	1	10		1				ST02	329	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. 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.)													
4		<b>BX SEGMENT - General Shipment Information</b>		M	1	30	O	1							
5		Transaction Set Purpose Code		M ID 2/2	1	30		1				BX01	353	M ID 2/2	
		Rails cannot accept code value '04' indicating 'Change' after lift. 00 - Original													
6		Transportation Method/Type Code		M ID 1/1	1	30		1				BX02	91	M ID 1/2	
		Use code value 'X' when Primary Equipment Description Code, N711, position 100, contains code value 'CN' or code value 'TL'. R - Rail X - Intermodal (Piggyback)													
7		Shipment Method of Payment		M ID 2/2	1	30		1				BX03	146	M ID 2/2	
		PP - Prepaid (by Seller)													
8		Standard Carrier Alpha Code		M ID 2/4	1	30		1				BX05	140	O ID 2/4	
		Use SCAC of origin carrier. SCAC should be validated against the National Motor Freight Transportation Association (NMFTA) SCAC reference file.													

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
9		Weight Unit Code		M ID 1/1	1	30		1				BX06	188	O ID 1/1	
			This element qualifies all weights in the transaction set. L - Pounds												
10		Shipment Qualifier		M ID 1/1	1	30		1				BX07	147	O ID 1/1	
			B - Bill of Lading for Individual Shipment E - Empty Equipment Billing (Non-Revenue)												
11		Customs Documentation Handling Code		C ID 2/2	1	30		1				BX11	501	O ID 2/2	
			Required for all shipments to/from Canada.												
12		Goods and Services Tax Reason Code		C ID 1/1	1	30		1				BX13	714	O ID 1/1	
			Required for all shipments to/from Canada. Use code value '1' for inbound shipments and code value '2' for outbound shipments. 1 - Inbound Goods and Services Tax Declaration 2 - Outbound Goods and Services Tax Declaration												
13		<b>BNX SEGMENT - Rail Shipment Information</b>		C	1	40	O	1							
			SEGMENT CONDITION: BNX segment is mandatory for loaded revenue shipments.												
14		Shipment Weight Code		M ID 1/1	1	40		1				BNX01	460	O ID 1/1	
			A - Shipper's Weight Agreement												
15		Billing Code		M ID 1/1	1	40		1				BNX03	11	O ID 1/1	
			S - Single Shipment Billing												
16		<b>M3 SEGMENT - Date/Time of 404 Creation and Release Code</b>		M	1	50	M	1							
			Use this segment to indicate whether the equipment is or is not to be released.												See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 02= R0203; 04= C0403
17		Release Code		M ID 1/1	1	50		1				M301	132	M ID 1/1	
			R - Released with Billing Data												

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
18		Date 404 Prepared		M DT 8/8	1	50		1				M302	373	C DT 8/8	
			This is the date that the 404 transaction is generated.												
19		Time 404 Prepared		M TM 4/8	1	50		1				M303	337	C TM 4/8	
			This is the time that the 404 transaction is generated.												
20		Time Code		M ID 2/2	1	50		1				M304	623	O ID 2/2	
			ET - Eastern Time												
21		<b>N9 SEGMENT - Bill of Lading Prepared Date</b>		M	1	60	M	30							
			Data from GS202, position 110, 'Date Bill of Lading/Shipping Instruction Prepared Date' of 858R IC.												
22		B/L Qualifier		M ID 2/2	1	60		30				N901	128	M ID 2/3	
			BM - Bill of Lading Number												
23		Bill of Lading Number		M AN 1/30	1	60		30				N902	127	C AN 1/30	
			Enter bill of lading number here.												
24		Bill of Lading Prepared Date		M DT 8/8	1	60		30				N904	373	O DT 8/8	
			This is the date the shipper creates the bill of lading.												
25		Time		M TM 4/8	1	60		30				N905	337	C TM 4/8	
			This is the time that the 404 transaction is generated.												
26		Time Code		M ID 2/2	1	60		30				N906	623	O ID 2/2	
			ET - Eastern Time												
27		<b>DTM SEGMENT - Desired/Required Delivery</b>		M	1	90	O	5							

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
28		Desired/Required Delivery Date Qualifier		M ID 3/3	1	90		5				DTM01	374	M ID 3/3	
			Use code value '017' to denote Deliver on this Date. Use code value '002' to denote Required Delivery Date. 002 - Delivery Requested 017 - Estimated Delivery												
29		Desired/Required Delivery Date		M DT 8/8	1	90		5				DTM02	373	C DT 8/8	
30		<b>DTM SEGMENT - Carrier's Pickup</b>		C	1	90	O	5							
			SEGMENT CONDITION: Use when date rail carriers are to pick up rail cars applies.												
31		Carrier's Pickup Date Qualifier		M ID 3/3	1	90		5				DTM01	374	M ID 3/3	
			SDDC will accept only code value '86' from shippers.  Convert code value '86' from 858R IC, G6201 segment, position 110, to code value '196' to denote Actual Pickup Date. 196 - Start												
32		Carrier's Pickup Date		M DT 8/8	1	90		5				DTM02	373	C DT 8/8	
			This is the date rail carriers are to pick up rail cars. Note: The release date is the estimated pickup date and not the date the 404 was generated.												
33		<b>N7 SEGMENT - Primary Equipment Details</b>		M	1	100	M	1	500	1	N7				
			Use this loop to describe the equipment in/on which the commodity is carried. See development notes for examples of this loop. If shipment is intermodal, N7 segment refers to trailer/container; not the rail car.  CHANGE NOTE: Reference to 'Primary' added to segment header and data element names for clarity.												
34		Primary Equipment Initial		M AN 1/4	1	100		1	500	1	N7	N701	206	O AN 1/4	
35		Primary Equipment Number		M AN 1/10	1	100		1	500	1	N7	N702	207	M AN 1/10	

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes		
36		Weight		M	R	1/10	1	100		1	500	1	N7	N703	81	C	R	1/10
		This is the net weight of entire shipment. If conveyance (railcar, trailer, or container) contains multiple line items, this is the total of all line items, including dunnage weight. (This N703 should match the sum of the weight values in all elements L004 for this transaction.)																
37		Weight Qualifier		M	ID	1/2	1	100		1	500	1	N7	N704	187	C	ID	1/2
		Use code value 'N' to denote Net Weight. N - Actual Net Weight																
38		Primary Equipment Description Code		M	ID	2/2	1	100		1	500	1	N7	N711	40	O	ID	2/2
		Code identifying type of equipment used for shipment. CN - Container ID - Idler Car RR - Rail Car TL - Trailer (not otherwise specified)																
39		Primary Equipment Length		C	NO	4/5	1	100		1	500	1	N7	N715	567	O	NO	4/5
		Outside length; required for intermodal equipment.																
40		<b>M7 SEGMENT - Seal Numbers</b>		C			1	130	O	5	500	1	N7					
		SEGMENT CONDITION: Include if seals are applied to the primary equipment.																
41		Seal Number		M	AN	2/15	1	130		5	500	1	N7	M701	225	M	AN	2/15
		Carry additional seal numbers in M702, M703, and M704.																
42		Seal Number		C	AN	2/15	1	130		5	500	1	N7	M702	225	O	AN	2/15
		Use for additional seal numbers.																
43		Seal Number		C	AN	2/15	1	130		5	500	1	N7	M703	225	O	AN	2/15
		Use for additional seal numbers.																

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes	
44		Seal Number		C AN 2/15	1	130		5	500	1	N7	M704	225	O AN 2/15		
Use for additional seal numbers.																
45		<b>REF SEGMENT - Intermodal/International Shipments</b>		C	1	177	O	1	99	2	REF					
SEGMENT CONDITION: REF loop is required for intermodal/International shipments.					See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 02= R0203											
46		Reference Identification Qualifier		M ID 2/2	1	177		1	99	2	REF	REF01	128	M ID 2/3		
If code value 'OB' is used, N10 segment is required. Use code value 'ZZ' to denote Certificate of Transportation Number. OB - Ocean Bill of Lading PN - Permit Number ZZ - Mutually Defined																
47		Reference Identification		M AN 1/30	1	177		1	99	2	REF	REF02	127	C AN 1/30		
48		<b>N10 SEGMENT - Quantity and Description</b>		C	1	178	O	15	99	2	REF					
SEGMENT CONDITION: Use to convey Customs-related information if shipper is manifesting the shipment(s) directly with US Customs. N10 segment required if REF02 = 'OB'.					See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 04= P0405; 06= P0613; 07= P0708											
49		Quantity		C R 1/15	1	178		15	99	2	REF	N1001	380	O R 1/15		
50		Free-form Description		C AN 1/45	1	178		15	99	2	REF	N1002	369	O AN 1/45		
51		Marks and Numbers		C AN 1/48	1	178		15	99	2	REF	N1003	87	O AN 1/48		
52		Commodity Code Qualifier		C ID 1/1	1	178		15	99	2	REF	N1004	23	C ID 1/1		
Required if N1005 is used. J - Harmonized System-Based Schedule B																
53		Commodity Code		C AN 1/30	1	178		15	99	2	REF	N1005	22	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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
54		Customs Shipment Value		C AN 2/8	1	178		15	99	2	REF	N1006	602	C AN 2/8	
55		Weight Unit Code	Required if N1008 is used. L - Pounds	C ID 1/1	1	178		15	99	2	REF	N1007	188	C ID 1/1	
56		Weight		C R 1/10	1	178		15	99	2	REF	N1008	81	C R 1/10	
57		Reference Identification		C AN 1/30	1	178		15	99	2	REF	N1009	127	O AN 1/30	
58		Manifest Unit Code	Use applicable code value from ASC X12 DE 599.	C ID 1/3	1	178		15	99	2	REF	N1010	599	O ID 1/3	
59		Country Code	Country of origin of goods.  Valid country codes are found in Codes for Representation of Names of Countries, ISO 3166- (Latest Release). The publication may be obtained from: American National Standards Institute 11 West 42nd Street, 13 Floor New York, NY 10036.	C ID 2/3	1	178		15	99	2	REF	N1011	26	O ID 2/3	
60		Country Code	Country of final destination of the goods.  Valid country codes are found in Codes for Representation of Names of Countries, ISO 3166- (Latest Release). The publication may be obtained from: American National Standards Institute 11 West 42nd Street, 13 Floor New York, NY 10036.	C ID 2/3	1	178		15	99	2	REF	N1012	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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
61		Currency Code		C ID 3/3	1	178		15	99	2	REF	N1013	100	C ID 3/3	
<p>Currency code values from the ISO 4217 table may be found on the web at:</p> <p><a href="http://www.iso.org/iso/en/prods-services/popstds/currencycode_slist.html">http://www.iso.org/iso/en/prods-services/popstds/currencycode_slist.html</a>.</p>															
62		<b>NA SEGMENT - Cross-Reference Equipment (Secondary)</b>		C	1	185	O	10							
<p>SEGMENT CONDITION: Used to identify equipment in addition to the primary equipment. Flat car from TOFC/COFC. If shipment is intermodal, NA segment refers to the rail car, not a trailer/container.</p> <p>CHANGE NOTE: User note corrected. Reference to 'Secondary' added to clarify segment header name.</p>				<p>See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 01= C0102</p>											
63		Secondary Equipment Initial		M AN 1/4	1	185		10				NA03	206	M AN 1/4	
64		Secondary Equipment Number		M AN 1/10	1	185		10				NA04	207	M AN 1/10	
65		Cross Reference Type Code		M ID 1/1	1	185		10				NA05	231	O ID 1/1	
<p>F - Conveying Flat Car</p>															
66		<b>NA SEGMENT - Container</b>		C	1	185	O	10							
<p>SEGMENT CONDITION: Segment required when shipment employs a container.</p> <p>CHANGE NOTE: Requirement attribute corrected and segment condition note added per DM 824.</p>															
67		Container Initials		M AN 1/4	1	185		10				NA03	206	M AN 1/4	
<p>Put in initials.</p>															
68		Container Serial Number		M AN 1/10	1	185		10				NA04	207	M AN 1/10	

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
69		Cross Reference Type Code		M ID 1/1	1	185		10				NA05	231	O ID 1/1	
		T - Trailer													
70		<b>F9 SEGMENT - Origin Station</b>		M	1	190	M	1							
		If F9 data is provided from the rail carrier's tender submitted via Tender Entry on the Web (TEOW) (e.g., 602 GY), F902 and F903 will map directly to the 404. If not, the N1~SF, city and state, will be mapped to F902 and F903. Mandatory for Rail.													
71		City Name		M AN 2/19	1	190		1				F902	19	M AN 2/30	
72		State or Province Code		M ID 2/2	1	190		1				F903	156	M ID 2/2	
		Also use for province if shipment is Canadian.													
73		Standard Point Location Code		C ID 9/9	1	190		1				F908	154	O ID 6/9	
		Official code assigned to a city or point (for rate making purposes) within a city.  CHANGE NOTE: Type attribute corrected per DM 800.													
74		<b>D9 SEGMENT - Destination Station</b>		M	1	200	M	1							
		If D9 data is provided from the rail carrier's tender submitted via Tender Entry on the Web (TEOW) (e.g., 602 GY), D902 and D903 will map directly to the 404. If not, the N1~ST, city and state, will be mapped to D902 and D903. Mandatory for Rail.													
75		City Name		M AN 2/19	1	200		1				D902	19	M AN 2/30	
76		State or Province Code		M ID 2/2	1	200		1				D903	156	M ID 2/2	
		Also use for province if shipment is Canadian.													
77		Standard Point Location Code		C ID 9/9	1	200		1				D908	154	O ID 6/9	
		CHANGE NOTE: Type attribute corrected per DM 800.													

DoD INFORMATION				DoD Recommended Attributes	X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name	Notes and Codes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
78		<b>N1 SEGMENT - Destination (C1)</b>		M	1	210	M	1	10	1	N1				
					Use segment to convey carrier's delivery location information.										
					See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 02= R0203; 03= P0304										
79		Destination Name (C1) Qualifier		M ID 2/2	1	210		1	10	1	N1	N101	98	M ID 2/3	
					This qualifier identifies name and address information of the carrier's delivery location. Government will convert code value 'ST' to code value 'C1'. C1 - In Care Of Party no. 1										
80		Destination Name (C1)		M AN 1/30	1	210		1	10	1	N1	N102	93	C AN 1/60	
					Enter 'US Government' unless shipment is to/from a US Government contractor.										
81		<b>N3 SEGMENT - Destination (C1)</b>		C	1	220	O	2	10	1	N1				
					SEGMENT CONDITION: Use when destination address information applies.										
82		Street (C1)		M AN 1/30	1	220		2	10	1	N1	N301	166	M AN 1/55	
83		Street (C1)		C AN 1/55	1	220		2	10	1	N1	N302	166	O AN 1/55	
					Use for additional street address information.										
84		<b>N4 SEGMENT - Destination (C1)</b>		M	1	230	O	1	10	1	N1				
					See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 06= C0605										
85		City (C1)		M AN 2/19	1	230		1	10	1	N1	N401	19	O AN 2/30	
86		Province or State Code (C1)		M ID 2/2	1	230		1	10	1	N1	N402	156	O ID 2/2	
					If shipment is Canadian, use for province.										
87		ZIP/Postal Code (C1)		M ID 3/15	1	230		1	10	1	N1	N403	116	O ID 3/15	

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
88		Country Code (C1)		C ID 2/3	1	230		1	10	1	N1	N404	26	O ID 2/3	
			If destination is OCONUS, ISO country code is required.  Valid country codes are found in Codes for Representation of Names of Countries, ISO 3166- (Latest Release). The publication may be obtained from: American National Standards Institute 11 West 42nd Street, 13 Floor New York, NY 10036.												
89		Destination SPLC (C1) Qualifier		M ID 2/2	1	230		1	10	1	N1	N405	309	C ID 1/2	
			CS - Canadian SPLC SL - U.S. SPLC												
90		Destination SPLC (C1)		M AN 9/9	1	230		1	10	1	N1	N406	310	O AN 1/30	
			Nine-digit SPLC is required for costing. CHANGE NOTE: Type attribute corrected per DM 800.												
91		<b>PER SEGMENT - Destination (C1)</b>		C	1	240	O	1	10	1	N1				
			SEGMENT CONDITION: Use for Canadian shipments - no phone extensions are allowed - the number must be a direct line.												
92		Contact Function Code		M ID 2/2	1	240		1	10	1	N1	PER01	366	M ID 2/2	
			NT - Notification Contact												
93		Contact Name		M AN 1/30	1	240		1	10	1	N1	PER02	93	O AN 1/60	
			If none provided, enter value 'TRANSPORTATION OFFICER'.												
94		Telephone Number Qualifier		M ID 2/2	1	240		1	10	1	N1	PER03	365	C ID 2/2	
			TE - Telephone												
95		Telephone Number		M AN 7/21	1	240		1	10	1	N1	PER04	364	C AN 1/80	
96		<b>N1 SEGMENT - Origin (SF)</b>		M	1	210	M	1	10	1	N1				
			Use segment to convey carrier's pickup location information.												

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
97		Origin Name (SF) Qualifier		M ID 2/2	1	210		1	10	1	N1	N101	98	M ID 2/3	
			This qualifier identifies the name and address information of the carrier's pickup location. SF - Ship From												
98		Origin Name (SF)		M AN 1/30	1	210		1	10	1	N1	N102	93	C AN 1/60	
			Enter 'US Government' unless shipment is to/from a US Government contractor.												
99		<b>N3 SEGMENT - Origin (SF)</b>		C	1	220	O	2	10	1	N1				
			SEGMENT CONDITION: Use when pick-up street address information applies.												
100		Street (SF)		M AN 1/30	1	220		2	10	1	N1	N301	166	M AN 1/55	
101		Street (SF)		C AN 1/55	1	220		2	10	1	N1	N302	166	O AN 1/55	
			Use for additional street address information.												
102		<b>N4 SEGMENT - Origin (SF)</b>		M	1	230	O	1	10	1	N1				
															See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 06= C0605
103		City (SF)		M AN 2/19	1	230		1	10	1	N1	N401	19	O AN 2/30	
104		Province or State (SF)		M ID 2/2	1	230		1	10	1	N1	N402	156	O ID 2/2	
			If shipment is Canadian, use for province.												
105		ZIP/Postal Code (SF)		M ID 3/15	1	230		1	10	1	N1	N403	116	O ID 3/15	
106		Country Code (SF)		C ID 2/3	1	230		1	10	1	N1	N404	26	O ID 2/3	
			If origin is OCONUS, ISO country code is required.												

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
107		Shipping Point SPLC (SF) Qualifier		M ID 2/2	1	230		1	10	1	N1	N405	309	C ID 1/2	
		CS - Canadian SPLC SL - U.S. SPLC													
108		Shipping Point SPLC (SF)		M AN 9/9	1	230		1	10	1	N1	N406	310	O AN 1/30	
		Nine-digit SPLC is required for costing. CHANGE NOTE: Type attribute corrected per DM 800.													
109		<b>N1 SEGMENT - Consignee (CN)</b>		M	1	210	M	1	10	1	N1				
		Use segment to identify the installation transportation office responsible for the shipment at the final destination.													See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 02= R0203; 03= P0304
110		Consignee (CN) Name Qualifier		M ID 2/2	1	210		1	10	1	N1	N101	98	M ID 2/3	
		This qualifier identifies the installation transportation office responsible for the shipment at the final destination. CN - Consignee													
111		Consignee (CN) Name		M AN 13/13	1	210		1	10	1	N1	N102	93	C AN 1/60	
		Enter 'US Government'.													
112		<b>N3 SEGMENT - Consignee (CN)</b>		C	1	220	O	2	10	1	N1				
		SEGMENT CONDITION: Use when street address for installation transportation office responsible for the shipment at the final destination applies.													
113		Street (CN)		M AN 1/30	1	220		2	10	1	N1	N301	166	M AN 1/55	
114		Street (CN)		C AN 1/55	1	220		2	10	1	N1	N302	166	O AN 1/55	
		Use for additional street address information.													
115		<b>N4 SEGMENT - Consignee (CN)</b>		C	1	230	O	1	10	1	N1				
		SEGMENT CONDITION: Use when city, state, and ZIP code, or country code for installation transportation office responsible for the shipment at the final destination applies.													See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 06= C0605

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes	
116		City (CN)		M AN 2/19	1	230		1	10	1	N1	N401	19	O AN 2/30		
117		State (CN)		M ID 2/2	1	230		1	10	1	N1	N402	156	O ID 2/2		
			Also use for province if shipment is Canadian.													
118		ZIP/Postal Code (CN)		M ID 3/15	1	230		1	10	1	N1	N403	116	O ID 3/15		
119		Country Code (CN)		C ID 2/3	1	230		1	10	1	N1	N404	26	O ID 2/3		
			If consignee is OCONUS, country code is required.													
120		<b>N1 SEGMENT - Shipper (SH)</b>		M	1	210	M	1	10	1	N1					
			Use segment to convey installation transportation office responsible for the shipment at origin information.												See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 02= R0203; 03= P0304	
121		Shipper (SH) Qualifier		M ID 2/2	1	210		1	10	1	N1	N101	98	M ID 2/3		
			This qualifier identifies the installation transportation office responsible for the shipment at origin. SH - Shipper													
122		Shipper Name (SH)		M AN 13/13	1	210		1	10	1	N1	N102	93	C AN 1/60		
			Enter 'US Government'.													
123		<b>N3 SEGMENT - Shipper (SH)</b>		C	1	220	O	2	10	1	N1					
			SEGMENT CONDITION: Use when street address for installation transportation office responsible for the shipment at origin applies.													
124		Street (SH)		M AN 1/30	1	220		2	10	1	N1	N301	166	M AN 1/55		
125		Additional Street (SH)		C AN 1/55	1	220		2	10	1	N1	N302	166	O AN 1/55		

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
126		<b>N4 SEGMENT - Shipper (SH)</b>		C	1	230	O	1	10	1	N1				
		SEGMENT CONDITION: Use when city, state, and ZIP code, or country code for installation transportation office responsible for the shipment at origin applies.													
127		City (SH)		M AN 2/19	1	230		1	10	1	N1	N401	19	O AN 2/30	
128		State Code (SH)		M ID 2/2	1	230		1	10	1	N1	N402	156	O ID 2/2	
		Also use for province if shipment is Canadian.													
129		ZIP/Postal Code (SH)		M ID 3/15	1	230		1	10	1	N1	N403	116	O ID 3/15	
130		Country Code (SH)		C ID 2/3	1	230		1	10	1	N1	N404	26	O ID 2/3	
141		<b>N1 SEGMENT - Bill Charges To (PF)</b>		M	1	210	M	1	10	1	N1				
		Provide the full address in the N3 and N4 segments to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC.													
142		Bill Charges To (PF) Qualifier		M ID 2/2	1	210		1	10	1	N1	N101	98	M ID 2/3	
		Government will convert code value 'PO' to code value 'PF'. PF - Party to Receive Freight Bill													
143		Bill Charges To (PF)		M AN 6/6	1	210		1	10	1	N1	N102	93	C AN 1/60	
		US Bank													
144		<b>N3 SEGMENT - Bill Charges To (PF)</b>		M	1	220	O	2	10	1	N1				
145		Street Address (PF)		M AN 1/30	1	220		2	10	1	N1	N301	166	M AN 1/55	
146		<b>N4 SEGMENT - Bill Charges To (PF)</b>		M	1	230	O	1	10	1	N1				
147		City (PF)		M AN 2/19	1	230		1	10	1	N1	N401	19	O AN 2/30	

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
148		State Code (PF)		M ID 2/2	1	230		1	10	1	N1	N402	156	O ID 2/2	
149		ZIP/Postal Code (PF)		M ID 3/15	1	230		1	10	1	N1	N403	116	O ID 3/15	
150		<b>N1 SEGMENT - Customs Broker (CB)</b>		C	1	210	O	1	10	1	N1				
		SEGMENT CONDITION: Required for all shipments to/from Canada.													
151		Customs Broker Identifier (CB) Qualifier		M ID 2/2	1	210		1	10	1	N1	N101	98	M ID 2/3	
152		Customs Broker Name (CB)		M AN 1/30	1	210		1	10	1	N1	N102	93	C AN 1/60	
153		<b>N3 SEGMENT - Customs Broker (CB)</b>		C	1	220	O	2	10	1	N1				
		SEGMENT CONDITION: Required for all shipments to/from Canada.													
154		Street Address (CB)		M AN 1/30	1	220		2	10	1	N1	N301	166	M AN 1/55	
155		Street Address (CB)		C AN 1/55	1	220		2	10	1	N1	N302	166	O AN 1/55	
		Use for additional street address information.													
156		<b>N4 SEGMENT - Customs Broker (CB)</b>		C	1	230	O	1	10	1	N1				
		SEGMENT CONDITION: Required for all shipments to/from Canada.													
157		City (CB)		M AN 2/19	1	230		1	10	1	N1	N401	19	O AN 2/30	
158		State or Province Code (CB)		M ID 2/2	1	230		1	10	1	N1	N402	156	O ID 2/2	
159		ZIP/Postal Code (CB)		M ID 3/15	1	230		1	10	1	N1	N403	116	O ID 3/15	
160		Country Code (CB)		C ID 2/3	1	230		1	10	1	N1	N404	26	O ID 2/3	
161		Destination SPLC (CB) Qualifier		M ID 2/2	1	230		1	10	1	N1	N405	309	C ID 1/2	

DoD INFORMATION				X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name	Notes and Codes	DoD Recommended Attributes	Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
162		Destination SPLC (CB)		M AN 9/9	1	230		1	10	1	N1	N406	310	O AN 1/30	
163		<b>R2 SEGMENT - Route Via</b>		M	1	460	O	13							
See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 08= C0807															
164		Standard Carrier Alpha Code - Via (Routing)		M ID 2/4	1	460		13				R201	140	M ID 2/4	
SCAC of interline and destination carrier(s) in sequence after origin carrier. The origin carrier should be included in an interline list.															
165		Via (Routing) SCAC Qualifier		M ID 1/2	1	460		13				R202	133	M ID 1/2	
Use code value 'S' to denote Origin Carrier, Shipper's Routing. 1 - 1st Carrier after Origin Carrier 2 - 2nd Carrier after Origin Carrier 3 - 3rd Carrier after Origin Carrier 4 - 4th Carrier after Origin Carrier 5 - 5th Carrier after Origin Carrier A - Origin Carrier, Agent's Routing (Rail) D - DELY (Delivery Switch Carrier) I - Origin Switch Carrier R - Origin Carrier, Rule 11 Shipment S - Origin Carrier, Shipper's Routing (Rail) V - Intermediate Switch Carrier															
166		Interchange Location		C AN 4/5	1	460		13				R203	19	O AN 2/30	
Use for all R2s except for the final R2. Interchange is where the carrier in R201 passes the shipment forward to the next carrier. The interchange locations should follow Rule 260.															
167		Intermodal Service Code		C ID 1/2	1	460		13				R205	177	O ID 1/2	
Use for intermodal shipments. If BX02 = 'X' and N711 = 'CN' or 'TL', then R205 is required. Use code value '20' for rail owned equipment and code value '60' for privately owned cars.															

DoD INFORMATION				DoD Recommended Attributes	X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name	Notes and Codes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
168		<b>H3 SEGMENT - Accessorial/Protective Service</b>		C	1	520	O	20							
		SEGMENT CONDITION: Use when Accessorial/Protective Service applies.													
169		Accessorial/Protective Service Code		M ID 3/3	1	520		20				H301	152	C ID 2/3	
		Use if shipper orders accessorial services from the carrier. Order accessorial services with this data element. To order accessorial services, the carrier industry requires the use of the H3 segment.  See Section 6.0 (Rail Carrier Shipment Information Implementation Convention) for the valid code list.													
170		<b>PS SEGMENT - Heater/Refrigerated Temperature Control</b>		C	1	530	O	5							
		SEGMENT CONDITION: Use only for Heater/refrigerator service, i.e., use this segment when H301 contains 'HRS' (Heater/Refrigerator Service).													
171		Rail Service Rule Code		M ID 3/3	1	530		5				PS01	746	M ID 3/9	
		See Section 6.0 (Rail Carrier Shipment Information Implementation Convention) for the valid code list.													
172		Protective Service Code		M ID 1/1	1	530		5				PS02	241	M ID 1/4	
		M - Standard Mechanical Protective Service													
173		Temperature Qualifier		C ID 2/2	1	530		5				PS03	355	C ID 2/2	
		Required if PS04 is used. FA - Fahrenheit													
174		Temperature		C R 1/4	1	530		5				PS04	408	C R 1/4	
175		<b>LX SEGMENT - Assigned Number</b>		M	1	540	M	1	25	1	LX				
176		Assigned Number		M NO 1/6	1	540		1	25	1	LX	LX01	554	M NO 1/6	
		No leading zeros.													

DoD INFORMATION				DoD Recommended Attributes	X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name	Notes and Codes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
177		<b>L5 SEGMENT - Descriptions, Marks, and Numbers</b>		M	1	550	M	15	25	1	LX				
					See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 03= P0304; 07= C0706; 08= P0809										
178		Lading Line Item Number		M	NO	1/3									
					This number matches L001. No leading zeros.										
179		Lading Description		M	AN	1/50									
					Clear text description of the line item. No generalized commodity descriptions are allowed. Can not use the verbiage "F.A.K." or "Freight All Kind" as the description of the line item. Any other description is acceptable. When mixed HAZMAT, L502 shall contain corresponding mixed hazardous verbiage. Required for cross-border shipments.										
180		Standard Transportation Commodity Code (STCC)		M	NO	7/7									
					For cross-border shipments, do not use '4611115'. For "Freight All Kind" use 4611115 STCC code. If shipment is HAZMAT, field must contain 48/49 series HMRC number. For intermodal traffic, must contain mixed hazardous STCC 495 series HMRC number.										
181		STCC Qualifier		M	ID	1/1									
					Use code value 'L' when shipping empty. L - Last Contained Contents STCC T - Standard Transportation Commodity Code (STCC)										
182		<b>L0 SEGMENT - Line Item (Quantity and Weight)</b>		M											
					See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 02= P0203; 04= P0405; 06= P0607; 08= P0809; 11= C1104; 13= P1315										
					Sum the lading quantities and weights together for a single commodity with identical packaging types. If a commodity is shipped in multiple packaging types, begin a new L0-Line Item (Quantity and Weight) loop to account for each different packaging type.  CHANGE NOTE: Use note added per DM 655.										

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
183		Lading Line Item Number		M	NO 1/3	1	570		1	25	2	L0	L001	213	O NO 1/3	
			<p>Enter sequential line number for a lading item (no leading zeros). Use sequential numbers to identify separate lading items (e.g., '1' for first lading item, '2' for second, etc.). This number matches the value contained in Lading Line Item Number, segment L501, position 550.</p>													
184		Billed/Rated-as Quantity		C	R 1/11	1	570		1	25	2	L0	L002	220	C R 1/11	
			<p>Use when rating a shipment on something other than weight.</p> <p>A commodity is a single type of product or material. Transportation of a commodity is usually billed/rated by units of freight weight. A line item on a transportation bill describes a single commodity. The quantity of a line item commodity is described here in the L0 segment in the LX - Assigned Number Loop. One L0 segment occurs for each type pack under the line item. There may be many line items, i.e., L0-Line Item (Quantity and Weight) loops for the same commodity.</p> <p>Two rules must be followed when constructing an L0 segment:            1) If the billed/rated quantity is the weight expressed in pounds, it appears here. Freight weight is the weight that line haul rate is based upon and may include skid, pallet, and dunnage weights, carried in separate MEA segments. The L004, L005, and L011 elements are not used.            2) If the billed/rated quantity is the weight expressed in gallons in the case of tank car shipments or is expressed in Barrels in the case of pipeline shipment, it also appears here. If entry does not contain a decimal, decimal is assumed at right-most point of the field. In addition, the L004, L005, and L011 elements are used to carry the weight information, if required.</p> <p>CHANGE NOTE: Use note changed per DM 655.</p>													
185		Billed/Rated-as Qualifier		C	ID 2/2	1	570		1	25	2	L0	L003	221	C ID 2/2	
			<p>Use when rating a shipment on something other than weight.</p> <p>BA - Barrels            GL - Gallon            LB - Pound</p>													

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes	
186		Weight		C	R	1/10	1	570	1	25	2	L0	L004	81	C	R	1/10
			Use L004 and L005 when the shipment is based on pounds. Freight weight of line item described in pounds only. Freight weight is the weight that line haul rate is based on and may include skid, pallet, and dunnage weights, depending on the applicable tender. Entry may contain a decimal; if not, decimal is assumed at right-most point of the field.														
187		Weight Qualifier		C	ID	2/2	1	570	1	25	2	L0	L005	187	C	ID	1/2
			Use L004 and L005 when the shipment is based on pounds. B - Billed Weight														
188		Volume		C	R	1/8	1	570	1	25	2	L0	L006	183	C	R	1/8
			Enter value of volumetric measure. Use L006 and L007 when shipment is based on volume.														
189		Volume Unit Qualifier		C	ID	1/1	1	570	1	25	2	L0	L007	184	C	ID	1/1
			Use L006 and L007 when shipment is based on volume. G - Gallons														
190		Lading Quantity		M	NO	1/7	1	570	1	25	2	L0	L008	80	C	NO	1/7
191		Packaging Form Code		M	ID	3/3	1	570	1	25	2	L0	L009	211	C	ID	3/3
			See Section 6.0 (Rail Carrier Shipment Information Implementation Convention) for the valid code list.														
192		Weight Unit Code		C	ID	1/1	1	570	1	25	2	L0	L011	188	O	ID	1/1
			Required if L004 is used. L - Pounds														
193		<b>PI SEGMENT - Tender Information</b>		M			1	590	O	30	25	2	L0				
																	See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 14= C1412; 15= C1513

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
194		Rate Agreement Qualifier		M ID 2/2	1	590		30	25	2	L0	PI01	128	M ID 2/3	
		CT - Contract Number													
195		Tender Number		M N0 6/6	1	590		30	25	2	L0	PI02	127	M AN 1/30	
		Carry only the six-position numeric value here; the alpha prefix is carried in PI06 and the two-position (suffix) supplement is carried in PI07, as required.													
196		Primary Publication Authority Code		M ID 2/2	1	590		30	25	2	L0	PI03	436	O ID 2/2	
		TP - Tariff Publication													
197		Origin Carrier SCAC		M ID 2/4	1	590		30	25	2	L0	PI05	168	O ID 1/4	
198		Tender Alpha Prefix		M AN 2/4	1	590		30	25	2	L0	PI06	965	O AN 1/10	
		Carry alpha part of tender number here. Note: Same as SCAC.													
199		Tender Supplement		C N0 2/2	1	590		30	25	2	L0	PI07	660	O AN 1/2	
200		<b>LS SEGMENT - Loop Header</b>		C	1	670	O	1							
		LOOP CONDITION: Use this loop to describe HAZMAT (LH1 loop) items.													
201		Loop Identifier Code		M N0 1/6	1	670		1				LS01	447	M AN 1/6	
		Whole number incremented by 1 for each LH1 loop.													
202		<b>LH1 SEGMENT - HAZMAT Quantities</b>		C	1	680	O	1	100	1	LH1				
		LOOP CONDITION: This loop occurs for each HAZMAT line item described in the LX loop in position 540.													

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes	
203		HAZMAT - Unit of Measure Code		M ID 2/2	1	680		1	100	1	LH1	LH101	355	M ID 2/2		
		<p>Contains the code identifying the unit of measure (type of packaging) for which the data in LH102 is reported. See Section 6.0 for appropriate code values.</p> <p>See Section 6.0 (Rail Carrier Shipment Information Implementation Convention) for the valid code list.</p>														
204		Lading Quantity		M NO 1/7	1	680		1	100	1	LH1	LH102	80	M NO 1/7		
		<p>Contains the number of units (pieces) of the lading commodity. Reference 49 CFR 172.202(c).</p>														
205		UN/NA Identification Code		M ID 6/6	1	680		1	100	1	LH1	LH103	277	O ID 6/6		
		<p>Contains the United Nations/North America (UN/NA) code.</p>														
206		STCC		M NO 7/7	1	680		1	100	1	LH1	LH105	22	O AN 1/30		
		<p>From 858, L503. Must contain 7 digit numeric hazardous material response code (HMRC).</p>														
207		HAZMAT - Unit of Measure Code		C ID 2/2	1	680		1	100	1	LH1	LH106	355	O ID 2/2		
		<p>Use the unit of measure codes only for quantity or volume of non-bulk hazardous shipments. This includes all codes referenced in LH101 to express type of packaging (will typically be pounds, kilograms, cubic feet, or a unit of measure other than pieces).</p> <p>See Section 6.0 (Rail Carrier Shipment Information Implementation Convention) for the valid code list.</p> <p>CHANGE NOTE: Attribute changed per DM 650 to conditional; data element used only for non-bulk hazardous shipments.</p>														

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes	
208		Quantity		C	R	1/15	1	680	1	100	1	LH1	LH107	380	O	R 1/15	
			<p>Use the unit of measure codes only for non-bulk hazardous shipments. Quantity refers to the amount (i.e., weight in pounds/kilograms, volume in cubic feet, or other such measurement) of the HAZMAT commodity to be transported.</p> <p>CHANGE NOTE: Attribute changed per DM 650 to conditional; data element used only for non-bulk hazardous shipments.</p>														
209		Residue Indicator Code		C	ID	1/1	1	680	1	100	1	LH1	LH109	665	O	ID 1/1	
			<p>Use this element and code value 'R' if required to indicate that the unit being shipped is empty and contains a residue from a prior movement, reference 49 CFR 172.203(e). In this situation, L504 should use code value 'L' to indicate 'Last Contained Contents'. R - Residue Last Contained Description (Tank Car)</p>														
210		Packing Group Code		C	ID	1/3	1	680	1	100	1	LH1	LH110	254	O	ID 1/3	
			<p>Use this element when required to indicate the 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.</p>														
211		<b>LH2 SEGMENT - Hazardous Classification Information</b>		C													
			<p>SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used. If available, subsidiary class is required for Canadian shipments.</p>														
212		Hazardous Classification		M	ID	1/30	1	690	4	100	1	LH1	LH201	215	O	ID 1/30	
			<p>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 '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.</p>														

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes	
213		Hazardous Class Qualifier		M ID 1/1	1	690		4	100	1	LH1	LH202	983	O ID 1/1		
			Use code value 'S' for Canadian shipments. P - Primary S - Secondary													
214		Reportable Quantity Code		C ID 2/2	1	690		4	100	1	LH1	LH205	759	O ID 2/2		
			Element required when necessary to indicate a reportable quantity is present in the shipment. For empty packagings or units containing the residue of a hazardous material, reference 49 CFR 172.203(e). RQ - Reportable Quantity													
215		HAZMAT Flashpoint Temperature Code		C ID 2/2	1	690		4	100	1	LH1	LH206	355	C ID 2/2		
			Required when LH207 is used. CE - Centigrade FA - Fahrenheit													
216		HAZMAT Flashpoint Temperature		C R 1/4	1	690		4	100	1	LH1	LH207	408	C R 1/4		
217		<b>LH3 SEGMENT - Hazardous Material Shipping Name</b>		C	1	700	O	10	100	1	LH1					
			SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.												See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 01= P0102	
218		Hazardous Material Shipping Name		M AN 1/25	1	700		10	100	1	LH1	LH301	224	C AN 1/25		
			From table at 49 CFR 172.101, column 2. Mandatory for all HAZMAT shipments including ammunition and explosives. See 49 CFR 172.202 for additional details. Place remainder of Proper Shipping Name exceeding 25 characters in another occurrence of the LH3. Can not hyphenate/break a shipping name regardless of field length unless the name is broken where hyphens already exist.													
219		Hazardous Material Shipping Name Qualifier		M ID 1/1	1	700		10	100	1	LH1	LH302	984	C ID 1/1		
			C - Canadian Shipping Name D - Domestic (United States) Shipping Name I - International Shipping Name													

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes	
220		NOS Indicator Code		C ID 3/3	1	700		10	100	1	LH1	LH303	985	O ID 3/3		
<p>If this field is used, an LFH segment must follow using code value 'TEC' in LFH01. NOS - N.O.S. Regulatory Requirements Apply</p>																
221		<b>LFH SEGMENT - Hazardous Material Additional Shipment Information</b>		C	1	710	O	20	100	1	LH1					
<p>SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.</p>					<p>See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 05= P0506</p>											

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes	
222		Hazardous Material Additional Shipment Information Qualifier		M ID 3/3	1	710		20	100	1	LH1	LFH01	808	M ID 3/3		
			<p>Contains the HAZMAT shipment information qualifier indicating the type of information being passed. Mandatory for all explosives unless otherwise noted in 49 CFR 172.320. Use interim EX-number for explosives waiting for final classification.</p> <p>If the X12 code definition accompanying a LFH01 code value contains text in quotations, place the part in quotations in LFH02. If the code definition contains no quotations, see the user note in LFH02 for further guidance.</p> <p>If the N.O.S. indicator is specified in LH303, use 'TEC' in this data element.</p> <p>Use code value 'ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the shipper' for other information not accounted for in the code list. Enter additional information that must appear in association with the shipment's basic description according to 49 CFR. Use additional occurrences of LFH segment as necessary for each code that applies to shipment.</p> <ul style="list-style-type: none"> <li>ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper</li> <li>DWW - "Dangerous When Wet" Declaration</li> <li>HOT - Identifies Products in a Heated Molten State</li> <li>HZC - Hazardous Substance Constituents</li> <li>LQY - "Limited Quantity" Declaration</li> <li>MOS - Maximum Operating Speed</li> <li>MPI - Marine Pollutant</li> <li>PIH - "Poison - Inhalation Hazard" Declaration</li> <li>POI - "Poison" Declaration</li> <li>RAM - Radioactive Material Data</li> <li>TEC - Technical or Chemical Group Name</li> </ul>													

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes	
223		Hazardous Material Additional Shipment Information		M AN 1/25	1	710		20	100	1	LH1	LFH02	809	M AN 1/25		
<p>Contains specific information about the HAZMAT shipment. When applicable, use the descriptive narrative from LFH01. If LFH01 = 'ADI', use this element for any overflow information from LFH01 or 49 CFR except Proper Shipping Name. Use LFH03 for additional overflow.</p> <p>If LFH01 = 'PIH', enter "Poisonous - Inhalation Hazard, Zone X", where X is the code designated in LFH04.                      If LFH01 = 'HOT', enter "HOT" [See 49 CFR 172.203(n)].                      If LFH01 = 'RAM', enter the appropriate text in quotes as specified by 49 CFR 172.203(d).                      If LFH01 = 'LQY', enter "Ltd Qty" or "Limited Quantity".                      If LFH01 = 'HZC', enter "Hazardous substance constituents."                      If LFH01 = 'MOS', enter "Maximum operating speed."                      If LFH01 = 'MPI', enter "Marine Pollutant."                      If LFH01 = 'POI', enter "Poison" and use a second LFH with code value 'ADI' to indicate the Infectious Risk Group Information.                      If LFH01 = 'ADI', enter appropriate infectious Risk Group or Fumigation Information.                      For N.O.S. code (LFH01 = 'TEC'), enter the technical or chemical group name in parentheses. Place overflow in LFH03. Do not close parentheses until end of description is reached.</p>																
224		Hazardous Material Additional Shipment Information		C AN 1/25	1	710		20	100	1	LH1	LFH03	809	O AN 1/25		
<p>Use for description overflow from LFH02. Use LFH01, 02, and 03 as a set and repeat loop as necessary to convey all additional basic description information.</p>																
225		Hazard Zone Code		C ID 1/1	1	710		20	100	1	LH1	LFH04	1023	O ID 1/1		
<p>Use applicable Hazard Zone Code when LFH01 = PIH. Contains the code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone.</p> <ul style="list-style-type: none"> <li>A - Hazard Zone A</li> <li>B - Hazard Zone B</li> <li>C - Hazard Zone C</li> <li>D - Hazard Zone D</li> </ul>																

DoD INFORMATION				DoD Recommended Attributes	X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name	Notes and Codes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
226		<b>LFH SEGMENT - Net Explosive Weight (NEW)</b>		C	1	710	O	20	100	1	LH1				
		SEGMENT CONDITION: Required if shipment contains explosives.													
227		HAZMAT Qualifier		M ID 3/3	1	710		20	100	1	LH1	LFH01	808	M ID 3/3	
		ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper													
228		HAZMAT Net Explosive Weight		M R 1/8	1	710		20	100	1	LH1	LFH02	809	M AN 1/25	
229		HAZMAT NEW UOM		M AN 2/2	1	710		20	100	1	LH1	LFH03	809	O AN 1/25	
		Use codes 'PN' or 'GA' to denote Pounds or Gallons.													
230		<b>LH4 SEGMENT - Canadian Dangerous Requirements</b>		C	1	730	O	1	100	1	LH1				
		SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.													
231		Emergency Response Plan Number		M AN 1/12	1	730		1	100	1	LH1	LH401	238	O AN 1/12	
		Required if the commodity is listed in Schedule XII of the Canadian TDG regulations.													
232		Communication Number		M AN 1/80	1	730		1	100	1	LH1	LH402	364	O AN 1/80	
		Required if LH401 is present.													
233		Subsidiary Risk Indicator		C ID 1/2	1	730		1	100	1	LH1	LH407	271	O ID 1/2	
		Code identifying the type of subsidiary risk. I - Potentially Very Damaging To The Eyes													
234		Net Explosive Quantity		C NO 1/6	1	730		1	100	1	LH1	LH408	267	C NO 1/6	
		Use for Class 1 Dangerous Goods - express the net weight of the explosive quantity.													
235		Canadian Hazardous Notation		C AN 1/25	1	730		1	100	1	LH1	LH409	805	O AN 1/25	
		Use only if transporting "Anhydrous Ammonia" - UN1005													

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
236		Special Commodity Indicator Code		C ID 1/1	1	730		1	100	1	LH1	LH410	986	O ID 1/1	
			Code indicating special commodity as identified by the Transportation of Dangerous Goods Act and Regulation. S - Positive Indicator												
237		Unit or Basis for Measurement Code		C ID 2/2	1	730		1	100	1	LH1	LH412	355	C ID 2/2	
			Identifies unit of measure in LH408. KG - Kilogram PN - Pounds Net												
238		<b>LHT SEGMENT - Transborder Hazardous Requirements</b>		C	1	740	O	3	100	1	LH1				
			SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.												
239		Hazardous Classification		M ID 1/30	1	740		3	100	1	LH1	LHT01	215	O ID 1/30	
			For US to Canada transborder moves, this field must contain the information required by the Canadian regulations when the proper shipping name is Anhydrous Ammonia and/or Anhydrous Ammonia Solutions.												
240		<b>LHR SEGMENT - Hazardous Material DOT Explosive Approval Number</b>		C	1	750	O	5	100	1	LH1				
			SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.												
241		HAZMAT - DOT Explosive Approval Number Qualifier		M ID 2/3	1	750		5	100	1	LH1	LHR01	128	M ID 2/3	
			HD - Department of Transportation Hazardous Number												
242		HAZMAT - DOT Explosive Approval Number (EX-number)		M AN 1/30	1	750		5	100	1	LH1	LHR02	127	M AN 1/30	
			Product codes and national stock numbers must be traceable to the specific EX-number (also referred to as hazard classification approval number) assigned by the Associate Administrator for Hazardous Materials Safety. Reference 49 CFR 172.320 and 173.56(b).												
243		Date		C DT 8/8	1	750		5	100	1	LH1	LHR03	373	O DT 8/8	

DoD INFORMATION				DoD Recommended Attributes	X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION			
Index	DG	Data Name	Notes and Codes		Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
244		<b>LHR SEGMENT - HAZMAT - DoD Identification Code (DoDIC)</b>		C	1	750	O	5	100	1	LH1				
		SEGMENT CONDITION: Required if the HAZMAT shipment contains ammunition. (Map from N9 segment, position 100 in 858R transaction.)													
245		HAZMAT - DoD Identification Code (DoDIC) Qualifier		M ID 2/3	1	750		5	100	1	LH1	LHR01	128	M ID 2/3	
		Required if the HAZMAT shipment contains ammunition. Code value should be read as 'one eye'. 11 - Department of Defense Identification Code (DoDIC)													
246		HAZMAT - DoD Identification Code (DoDIC)		M AN 4/4	1	750		5	100	1	LH1	LHR02	127	M AN 1/30	
		Mandatory for all ammunition and explosives. Also called Navy Ammunition Logistics Code (NALC).													
247		<b>LHR SEGMENT - Competent Authority Approval Number</b>		C	1	750	O	5	100	1	LH1				
		SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.													
248		Competent Authority Approval Number Qualifier		M ID 2/2	1	750		5	100	1	LH1	LHR01	128	M ID 2/3	
		HA - Competent Authority													
249		Competent Authority Approval Number		M AN 10/10	1	750		5	100	1	LH1	LHR02	127	M AN 1/30	
		Issued by Department of Transportation, approval number is CA-YYNNNNA, where Y = year, N = approval number within that year, and A is an optional alphanumeric designator. Only applicable when DoD requires an exception to the international performance oriented packaging rules.													
250		<b>LHR SEGMENT - DOT Exemption (DOT-E) Number</b>		C	1	750	O	5	100	1	LH1				
		SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.													
251		DOT Exemption (DOT-E) Number Qualifier		M ID 2/2	1	750		5	100	1	LH1	LHR01	128	M ID 2/3	
		HE - Hazardous Exemption Number													

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes	
252		DOT Exemption (DOT-E) Number		M AN 1/30	1	750		5	100	1	LH1	LHR02	127	M AN 1/30		
		Identifies the DOT Exemption to any of the 49 CFR Regulations for HAZMAT materials. Normally used only for domestic shipments. Can be used for international shipments but is not guaranteed to be accepted by international customs. Reference 49 CFR 172.2(a).														
253		<b>LHR SEGMENT - Int'n Maritime Dangerous Goods Code</b>		C	1	750	O	5	100	1	LH1					
		SEGMENT CONDITION: Use this segment if the HAZMAT shipment requires international regulation.														
254		HAZMAT - Int'n Maritime Dangerous Goods Code (IMDG) Qualifier		M ID 2/2	1	750		5	100	1	LH1	LHR01	128	M ID 2/3		
		IM - Intergovernmental Maritime Organization (IMO) Number														
255		HAZMAT - Int'n Maritime Dangerous Goods Code (IMDG)		M AN 1/30	1	750		5	100	1	LH1	LHR02	127	M AN 1/30		
256		<b>PER SEGMENT - Canadian Shipment Contact</b>		C	1	755	O	5	100	1	LH1					
		SEGMENT CONDITION: Required for all HAZMAT shipments.														
257		Contact Function Code		M ID 2/2	1	755		5	100	1	LH1	PER01	366	M ID 2/2		
		HM - Hazardous Material Contact														
258		Communication Number Qualifier		M ID 2/2	1	755		5	100	1	LH1	PER03	365	C ID 2/2		
		TE - Telephone														
259		Communication Number		M AN 7/80	1	755		5	100	1	LH1	PER04	364	C AN 1/80		
		The words "24 hour number" must appear before the telephone number for Canadian shipments only.														
260		<b>LE SEGMENT - Loop Trailer</b>		C	1	760	O	1								
		SEGMENT CONDITION: Use this segment if LS segment is used.														
261		Loop Identifier Code		M NO 1/6	1	760		1				LE01	447	M AN 1/6		
		Use same value as LS01.														

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes	
262		<b>PER SEGMENT - Shipment Contact</b>		C	1	770	O	5								
		SEGMENT CONDITION: Use only for HAZMAT shipments with single point of contact. Do not use if shipment is to Canada; use Canadian Shipment Contact PER Segment.			See X12 Standards Draft Version 4 Release 1 for explanation of Syntax Notes: 03= P0304; 05= P0506; 07= P0708											
263		Shipment Contact Qualifier		M ID 2/2	1	770		5				PER01	366	M ID 2/2		
		If shipment is to Canada and HAZMAT, use additional PER segment for additional Canadian HAZMAT contact. HM - Hazardous Material Contact														
264		Communications Qualifier		M ID 2/2	1	770		5				PER03	365	C ID 2/2		
		TE - Telephone														
265		Shipment Contact Telephone Number		M AN 7/21	1	770		5				PER04	364	C AN 1/80		
		Telephone number of shipment POC.														
266		<b>PER SEGMENT - Canadian Shipment Contact</b>		C	1	770	O	5								
		SEGMENT CONDITION: Use if shipment is to Canada and is HAZMAT. For Canadian shipments - no phone extensions are allowed - the number must be a direct line.														
267		Canadian Shipment Contact Qualifier		M ID 2/2	1	770		5				PER01	366	M ID 2/2		
		Use code value 'CN' to denote Canadian Contact. CN - General Contact														
268		Canadian Communications Qualifier		M ID 2/2	1	770		5				PER03	365	C ID 2/2		
		TE - Telephone														
269		Canadian Shipment Contact Telephone Number		M AN 7/21	1	770		5				PER04	364	C AN 1/80		
		Telephone number of shipment POC.														

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 Lv	Lp ID	Ref Des	DE #	(Simple) Attributes	(Composite) Attributes
270		<b>PER SEGMENT Emergency SDDC Contact</b>		C	1	770	O	5							
		SEGMENT CONDITION: Use only if shipment contains multiple HAZMAT commodities with different emergency contacts. For Canadian shipments - no phone extensions are allowed - the number must be a direct line.													
271		Emergency Contact Qualifier		M ID 2/2	1	770		5				PER01	366	M ID 2/2	
		Use code value 'EF' to denote Emergency Contact - Military Surface Deployment and Distribution Command (SDDC) (Formerly MTMC) EF - Emergency Contact-Military Traffic Management Command (MTMC)													
272		Communication Qualifier		M ID 2/2	1	770		5				PER03	365	C ID 2/2	
		TE - Telephone													
273		Emergency Contact Telephone Number		M AN 7/21	1	770		5				PER04	364	C AN 1/80	
274		<b>LH6 SEGMENT - Hazardous Certification</b>		C	1	800	O	5							
		SEGMENT CONDITION: Use only for HAZMAT shipments.													
275		HAZMAT - Certifying Person (49 CFR Compliance)		M AN 1/35	1	800		5				LH601	93	O AN 1/60	
		If unknown enter 'Transportation Officer'.													
276		<b>SE SEGMENT - Rail Carrier Information Trailer</b>		M	1	840	M	1							
277		Number of Included Segments		M NO 1/10	1	840		1				SE01	96	M NO 1/10	
		Total segments in this transaction set including the ST and SE segments.													
278		Transaction Set Control Number		M AN 4/9	1	840		1				SE02	329	M AN 4/9	
		This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set.													

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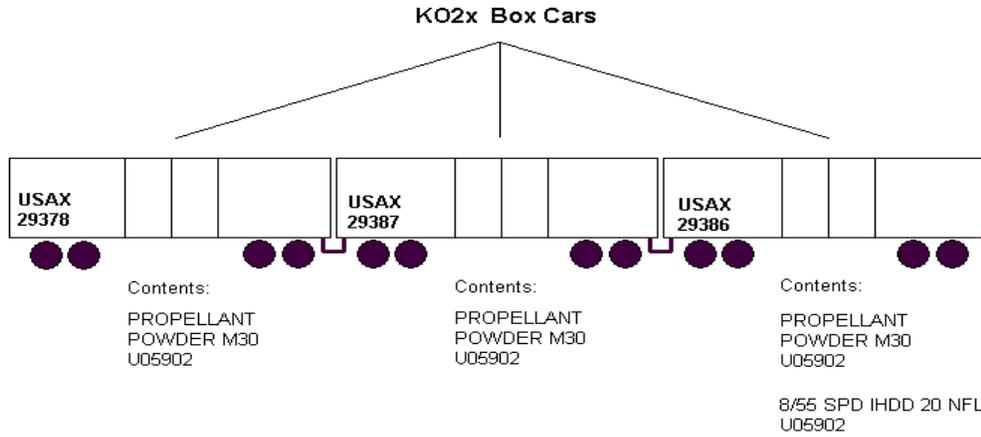
## Section 5.0

### IC ELEMENTS IN EDI FORMAT

This section contains three examples of the Rail Carrier Shipment Information data requirement mapped to the ASC X12 transaction set 404 Shipment Information. The first example is for car loads, the second shows TOFC/COFC, the third illustrates nonhazardous rail shipments, the fourth contains samples of actual transmissions for Containerized Intermodal Shipments, and the last presents an example 404 with Conventional Railcar Shipments.

**EXAMPLE I – CAR LOADS**

*Figure 5.1 Car Loads Example Diagram*



This example takes an 858 with three cars and four commodities and translates it into three 404's

```

ISA~00~           ~00~           ~01~CFMFIELDMOD   ~01~CFMEDI
~000313~1816~U~00200~000000551~0~T~|
GS~SI~FMCBL~CFM~000313~1816~552~X~003050

ST~858~0001
BX~00~R~CC~G2776769~UP~~B
N9~FI~SI
N9~RG~96ECAPM4GS
Y7~3
G62~68~001001~~~~20
G62~76~001001~~~~20
G62~83~001001~~~~20
G62~86~000314~~~LT~20
PER~EF~~TE~(800) 524-0331
R2~UP~S~STOCKTON,CA~868560250
R2~BNSF~1~~784170250
H3~RIS
H3~RIS
H3~RIS
NTE~APS~1,268760,21 020340000065082514210000022NL011173 JONO 0P1601 PRON
M206D333M2KZ
NTE~PAY~11862.30
NTE~INT~111
NTE~INT~112
NTE~INT~114
NTE~INT~116
NTE~INT~202
NTE~INT~206
NTE~INT~209
NTE~INT~348
NTE~INT~367
    
```

NTE~CLR~U  
NTE~LOI~NONEXCLUSIVE  
N7~USAX~29378~154000~N~~~~~5006~~~~~KO2x  
M7~0102012~0102013~~~SH  
N5~5006~154~~KO2x  
N7~USAX~29387~154000~N~~~~~5006~~~~~KO2x  
M7~0102029~0102030~~~SH  
N5~5006~154~~KO2x  
N7~USAX~29386~154000~N~~~~~5006~~~~~KO2x  
M7~0102019~0102020~~~SH  
N5~5006~154~~KO2x  
N1~CA~UNION PACIFIC RAILROAD CO  
PER~EM~JEANETTE CUNNINGHAM, MGR TMD~TE~775-945-7203  
N1~ST~TRANSPORTATION OFFICER~10~W43EF2  
N3~TPL INC.FORT WINGATE DEPOT ACTIVITY  
N3~ATT: DURAN  
N4~MC CUNE~NM~87316~~SL~784185000  
PER~EM~TPL INC FT WINGATE, MC CUNE, NM~TE~(505) 488-5487  
N1~SF~TRANSPORTATION OFFICER~10~W65XZ2  
N3~HAWTHORNE ARMY DEPOT  
N3~CODE SIOHW-TM  
N4~HAWTHORNE~NV~894155000~~SL~868560250  
PER~EM~HAWTHORNE ARMY DEPOT, HAWTHORNE,NV~TE~(775) 945-7118  
PER~EM~~AU~830-7118  
N1~CN~TRANSPORTATION OFFICER~10~W43EF2  
N3~TPL INC.FORT WINGATE DEPOT ACTIVITY  
N3~P.O. BOX 1456  
N4~GALLUP~NM~873019503~~BL~KLAQ  
N1~SH~TRANSPORTATION OFFICER~10~W65XZ2  
N3~HAWTHORNE ARMY DEPOT  
N3~CODE SIOHW-TM  
N4~HAWTHORNE~NV~894155000~~BL~JAAM  
N1~PO~USBANK~10~PWTRK  
N1~IU~TRANSPORTATION OFFICER~10~W65XZ2  
N3~HAWTHORNE ARMY DEPOT  
N3~CODE SIOHW-TM  
N4~HAWTHORNE~NV~894155000~~BL~JAAM  
PER~IO~STEVEN A. CLARK,TRANSPORTATION OFFI  
LX~100  
N7~USAX~29378  
N9~TG~W81YWB9327T314BAX  
N9~NS~1376010685086  
N9~TH~A6  
N9~P4~HMA  
N9~M6~7  
L5~~PROPELLANT POWDER M30~U05902~D  
LH6~JEANETTE CUNNINGHAM, MGR TMD~1~THIS IS TO CERTIFY THAT T~HE HEREIN-NAMED  
MATERIALS  
LH6~JEANETTE CUNNINGHAM, MGR TMD~1~ARE PROPERLY CLASSIFIED,~DESCRIBED,  
PACKAGED, MARK  
LH6~JEANETTE CUNNINGHAM, MGR TMD~1~ED & LABELED, AND ARE IN~PROPER CONDITION  
FOR TRAN  
LH6~JEANETTE CUNNINGHAM, MGR TMD~1~SPORTATION ACCORDING TO T~HE APPLICABLE  
REGULATIONS

LH6~JEANETTE CUNNINGHAM, MGR TMD~1~OF THE DEPARTMENT OF TRAN~SPORTATION.  
L0~~86960~LB~~~1782~E~44~PLT  
MEA~~HT~0~IN  
MEA~~LN~0~IN  
MEA~~WD~0~IN  
MEA~NX~~62920~PN  
MEA~CT~~62920~RO  
MEA~PA~B~4400~PN  
MEA~DN~B~2000~PN  
LH1~PL~44~UN0161~~~LB~86960~~~II  
LH2~1.3C~P  
LH3~Powder, smokeless.~I  
LX~100  
N7~USAX~29387  
N9~TG~W81YWB9327T314BDX  
N9~NS~1376010685086  
N9~TH~A6  
N9~P4~HMA  
N9~M6~7  
L5~~PROPELLANT POWDER M30~U05902~D  
LH6~JEANETTE CUNNINGHAM, MGR TMD~1~THIS IS TO CERTIFY THAT T~HE HEREIN-NAMED  
MATERIALS  
LH6~JEANETTE CUNNINGHAM, MGR TMD~1~ARE PROPERLY CLASSIFIED,~DESCRIBED,  
PACKAGED, MARK  
LH6~JEANETTE CUNNINGHAM, MGR TMD~1~ED & LABELED, AND ARE IN~PROPER CONDITION  
FOR TRAN  
LH6~JEANETTE CUNNINGHAM, MGR TMD~1~SPORTATION ACCORDING TO T~HE APPLICABLE  
REGULATIONS  
LH6~JEANETTE CUNNINGHAM, MGR TMD~1~OF THE DEPARTMENT OF TRAN~SPORTATION.  
L0~~88720~LB~~~1820~E~52~MXD  
MEA~~HT~0~IN  
MEA~~LN~0~IN  
MEA~~WD~0~IN  
MEA~NX~~63720~PN  
MEA~CT~~63720~RO  
MEA~PA~B~4400~PN  
MEA~DN~B~2000~PN  
LH1~MX~52~UN0161~~~LB~88720~~~II  
LH2~1.3C~P  
LH3~Powder, smokeless.~I  
LX~100  
N7~USAX~29386  
N9~TG~W81YWB9327T314BZX  
N9~NS~1376010685086  
N9~TH~A6  
N9~P4~HMA  
N9~M6~7  
L5~~PROPELLANT POWDER M30~U05902~D  
LH6~JEANETTE CUNNINGHAM, MGR TMD~1~THIS IS TO CERTIFY THAT T~HE HEREIN-NAMED  
MATERIALS  
LH6~JEANETTE CUNNINGHAM, MGR TMD~1~ARE PROPERLY CLASSIFIED,~DESCRIBED,  
PACKAGED, MARK  
LH6~JEANETTE CUNNINGHAM, MGR TMD~1~ED & LABELED, AND ARE IN~PROPER CONDITION  
FOR TRAN

LH6~JEANETTE CUNNINGHAM, MGR TMD~1~SPORTATION ACCORDING TO T~HE APPLICABLE  
REGULATIONS  
LH6~JEANETTE CUNNINGHAM, MGR TMD~1~OF THE DEPARTMENT OF TRAN~SPORTATION.  
L0~~46280~LB~~~925~E~28~MXD  
MEA~~HT~0~IN  
MEA~~LN~0~IN  
MEA~~WD~0~IN  
MEA~NX~~32804~PN  
MEA~CT~~32804~RO  
MEA~PA~B~2300~PN  
MEA~DN~B~2000~PN  
LH1~MX~28~UN0161~~~LB~46280~~~II  
LH2~1.3C~P  
LH3~Powder, smokeless.~I  
LX~100  
N7~USAX~29386  
N9~TG~W81YWB9327T315XZX  
N9~NS~1376011298055  
N9~TH~A6  
N9~P4~HMA  
N9~M6~7  
L5~~8/55 SPD IHDD 20 NFL~U05902~D  
LH6~JEANETTE CUNNINGHAM, MGR TMD~1~THIS IS TO CERTIFY THAT T~HE HEREIN-NAMED  
MATERIALS  
LH6~JEANETTE CUNNINGHAM, MGR TMD~1~ARE PROPERLY CLASSIFIED,~DESCRIBED,  
PACKAGED, MARK  
LH6~JEANETTE CUNNINGHAM, MGR TMD~1~ED & LABELED, AND ARE IN~PROPER CONDITION  
FOR TRAN  
LH6~JEANETTE CUNNINGHAM, MGR TMD~1~SPORTATION ACCORDING TO T~HE APPLICABLE  
REGULATIONS  
LH6~JEANETTE CUNNINGHAM, MGR TMD~1~OF THE DEPARTMENT OF TRAN~SPORTATION.  
L0~~28400~LB~~~610~E~18~MXD  
MEA~~HT~0~IN  
MEA~~LN~0~IN  
MEA~~WD~0~IN  
MEA~NX~~20806~PN  
MEA~CT~~20806~RO  
MEA~PA~B~1300~PN  
LH1~MX~18~UN0161~~~LB~28400~~~II  
LH2~1.3C~P  
LH3~Powder, smokeless.~I  
LX~200  
L0~~~~268760~G~~~~~L  
LX~200  
L0~~~~268760~N~~~~~L  
LX~200  
L0~~~~180250~NX~~~~~L  
LX~200  
L0~~~~6000~R~~~~~L  
LX~200  
L0~~~~12400~PL~~~~~L  
LX~200  
L0~~~~250360~FR~~~~~L  
LX~300

L0~300  
L1~~~~0~~~~RIS  
LX~300  
L0~300  
L1~~~~0~~~~RIS  
LX~300  
L0~300  
L1~~~~0~~~~RIS  
LX~400  
L7~~UP~500719~~~~~00  
L5~~~U05902~D  
L0~~268760~LB~250360~FR~~~~~L  
L1~~~~0~~~~QUO  
LH1~ZZ~0  
L3~~~~~1186230~~~~5137~E~3  
SE~186~0001  
GE~1~552  
IEA~1~000000551

RAIL CARLOAD 404 EXAMPLE

ST~404~0001  
BX~00~R~PP~~UP~L~B  
BNX~A~S  
M3~R~20000314~1558~ET  
N9~BM~G2776769~~20000313~1558~ET  
DTM~017~20000321  
DTM~196~20000314  
N7~USAX~29378~86960~N~~~~~RR~~~~~5006  
M7~0102012~0102013  
F9~~HAWTHORNE~NV~~~~~868560250  
D9~~MC CUNE~NM~~~~~784185000  
N1~N1~TRANSPORTATION OFFICER  
N3~TPL INC.FORT WINGATE DEPOT ACTIVITY~ATT: DURAN  
N4~MC CUNE~NM~87316~~SL~784185000  
PER~NT~TPL INC FT WINGATE, MC CUNE, NM~TE~5054885487  
N1~SF~TRANSPORTATION OFFICER  
N3~HAWTHORNE ARMY DEPOT~CODE SIOHW-TM  
N4~HAWTHORNE~NV~894155000~~SL~868560250  
N1~CN~TRANSPORTATION OFFICER  
N3~TPL INC.FORT WINGATE DEPOT ACTIVITY~P.O. BOX 1456  
N4~GALLUP~NM~873019503  
N1~SH~TRANSPORTATION OFFICER  
N3~HAWTHORNE ARMY DEPOT~CODE SIOHW-TM  
N4~HAWTHORNE~NV~894155000  
N1~UC~US GOVERNMENT  
N3~HAWTHORNE ARMY DEPOT~CODE SIOHW-UC  
N4~HAWTHORNE~NV~894155000  
N1~PF~USBANK  
N3~123 MAIN STREET  
N4~MINNEAPOLIS~MN~123400  
R2~UP~S~STOCKTON  
R2~BNSF~1  
H3~RIS  
LX~100  
L5~01~PROPELLANT POWDER M30~1951154~T  
L0~01~86960~LB~~~1782~E~44~PLT  
PI~CT~500719~TP~~UP~UP~00  
LS~100  
LH1~PL~44~UN0161~~1951154~LB~86960~~~II  
LH2~1.3C~P  
LH3~Powder, smokeless.~I  
LE~100  
PER~HM~~TE~8005240331  
LH6~JEANETTE CUNNINGHAM, MGR TMD  
SE~40~0001

ST~404~0002  
BX~00~R~PP~~UP~L~B  
BNX~A~S  
M3~R~20000314~1558~ET  
N9~BM~M2776769~~20000313~1558~ET  
DTM~017~20000321  
DTM~196~20000314  
N7~USAX~29378~88720~N~~~~~RR~~~~5006  
M7~0102012~0102013  
F9~~HAWTHORNE~NV~~~~~868560250  
D9~~MC CUNE~NM~~~~~784185000  
N1~N1~TRANSPORTATION OFFICER  
N3~TPL INC.FORT WINGATE DEPOT ACTIVITY~ATT: DURAN  
N4~MC CUNE~NM~87316~~SL~784185000  
PER~NT~TPL INC FT WINGATE, MC CUNE, NM~TE~5054885487  
N1~SF~TRANSPORTATION OFFICER  
N3~HAWTHORNE ARMY DEPOT~CODE SIOHW-TM  
N4~HAWTHORNE~NV~894155000~~SL~868560250  
N1~CN~TRANSPORTATION OFFICER  
N3~TPL INC.FORT WINGATE DEPOT ACTIVITY~P.O. BOX 1456  
N4~GALLUP~NM~873019503  
N1~SH~TRANSPORTATION OFFICER  
N3~HAWTHORNE ARMY DEPOT~CODE SIOHW-TM  
N4~HAWTHORNE~NV~894155000  
N1~UC~US GOVERNMENT  
N3~HAWTHORNE ARMY DEPOT~CODE SIOHW-UC  
N4~HAWTHORNE~NV~894155000  
N1~PF~USBANK  
N3~123 MAIN STREET  
N4~MINNEAPOLIS~MN~123400  
R2~UP~S~STOCKTON  
R2~BNSF~1  
H3~RIS  
LX~100  
L5~01~PROPELLANT POWDER M30~1951154~T  
L0~01~88720~LB~~~1820~E~52~MXD  
PI~CT~500719~TP~~UP~UP~00  
LS~100  
LH1~MX~52~UN0161~~1951154~LB~88720~~~II  
LH2~1.3C~P  
LH3~Powder, smokeless.~I  
LE~100  
PER~HM~~TE~8005240331  
LH6~JEANETTE CUNNINGHAM, MGR TMD  
SE~40~0002

ST~404~0003  
BX~00~R~PP~~UP~L~B  
BNX~A~S  
M3~R~20000314~1558~ET  
N9~BM~M2776769~~20000313~1558~ET  
DTM~017~20000321  
DTM~196~20000314  
N7~USAX~29378~74680~N~~~~~RR~~~~5006  
M7~0102012~0102013  
F9~~HAWTHORNE~NV~~~~~868560250  
D9~~MC CUNE~NM~~~~~784185000  
N1~N1~TRANSPORTATION OFFICER  
N3~TPL INC.FORT WINGATE DEPOT ACTIVITY~ATT: DURAN  
N4~MC CUNE~NM~87316~~SL~784185000  
PER~NT~TPL INC FT WINGATE, MC CUNE, NM~TE~5054885487  
N1~SF~TRANSPORTATION OFFICER  
N3~HAWTHORNE ARMY DEPOT~CODE SIOHW-TM  
N4~HAWTHORNE~NV~894155000~~SL~868560250  
N1~CN~TRANSPORTATION OFFICER  
N3~TPL INC.FORT WINGATE DEPOT ACTIVITY~P.O. BOX 1456  
N4~GALLUP~NM~873019503  
N1~SH~TRANSPORTATION OFFICER  
N3~HAWTHORNE ARMY DEPOT~CODE SIOHW-TM  
N4~HAWTHORNE~NV~894155000  
N1~UC~US GOVERNMENT  
N3~HAWTHORNE ARMY DEPOT~CODE SIOHW-UC  
N4~HAWTHORNE~NV~894155000  
N1~PF~USBANK  
N3~123 MAIN STREET  
N4~MINNEAPOLIS~MN~123400  
R2~UP~S~STOCKTON  
R2~BNSF~1  
H3~RIS  
LX~100  
L5~01~PROPELLANT POWDER M30~1951154~T  
L0~01~46280~LB~~~925~E~28~MXD  
PI~CT~500719~TP~~UP~UP~00  
LX~101  
L5~02~8/55 SPD IHDD 20 NFL~1951154~T  
L0~02~28400~LB~~~610~E~18~MXD  
LS~100  
LH1~MX~28~UN0161~~1951154~LB~46280~~~II  
LH2~1.3C~P  
LH3~Powder, smokeless.~I  
LH1~MX~18~UN0161~~1951154~LB~28400~~~II  
LH2~1.3C~P  
LH3~Powder, smokeless.~I  
LE~100  
PER~HM~~TE~8005240331  
LH6~JEANETTE CUNNINGHAM, MGR TMD  
SE~46~0003

## EXAMPLE II - RAIL NONHAZARDOUS 858

ISA~00~                   ~00~                   ~01~MTIMCF                   ~01~UP  
~991214~2246~U~00200~000000467~0~P~|  
GS~SI~MTIMCF~UP~991214~2246~468~X~003050  
  
ST~858~0001  
BX~00~R~CC~M2456081~UP~~B  
N9~FI~SI  
N9~RG~1NXX01749A  
Y7~1  
G62~68~991229  
G62~76~991214  
G62~83~991208  
G62~86~991208~~~LT  
R2~DLTK~1~~880180250  
R2~UP~2~~471966250  
NTE~APS~2,323520,21 020200000076020471150120022NL004013 47EPLRGLBM2456081000  
NTE~PAY~7902.00  
NTE~INT~111  
NTE~INT~116  
NTE~INT~209  
NTE~CLR~U  
NTE~LOI~NONEXCLUSIVE  
N7~DODX~40170~~~~~6000~~~~~KZ1x  
N5~6000~~~KZ1x  
N7~DODX~40397~~~~~6000~~~~~KZ1x  
N5~6000~~~KZ1x  
N1~CA~UNION PACIFIC RAILROAD CO  
N1~ST~TRANSPORTATION OFFICER~10~W31G1Z  
N3~DEFENSE DISTRIBUTION DEPOT  
N3~7 FRANKFORD AVENUE, ATTN: DDAA-T  
N4~ANNISTON~AL~362014199~~SL~471966250  
N1~SF~MOVEMENT CONTROL CENTER~10~W80S4X  
N3~NATIONAL TRAINING CENTER  
N3~BLDG 828  
N4~FORT IRWIN~CA~923105000~~SL~880180250  
N1~CN~TRANSPORTATION OFFICER~10~W31G1Z  
N3~DEF DIST DEPOT, ANNISTON ARMY DEPOT  
N3~7 FRANKFORD AVENUE, ATTN: DDAA-T  
N4~ANNISTON~AL~362014199~~BL~FGAQ  
N1~SH~TRANSPORTATION DIVISION~10~W80S4X  
N3~NATIONAL TRAINING CENTER  
N3~P.O. BOX 105031 // AFZJ-MCT-F  
N4~FORT IRWIN~CA~923105031~~BL~LKAT  
N1~PO~DEFENSE FINANCE AND ACCOUNTING SVC~10~W53QRD  
N3~INDIANAPOLIS CENTER  
N3~TRANSPORTATION OPS. (DFAS-I-THA)  
N4~INDIANAPOLIS~IN~462490611~~BL~IOOI  
N1~IU~TRANSPORTATION OFFICER~10~W80S4X  
N3~NATIONAL TRAINING CENTER FT IRWIN  
N3~P.O. BOX 105031 // AFZJ-MCT-F

N4~FORT IRWIN~CA~923105000~~BL~LKAT  
PER~IO~S. J. MCALLISTER,ACTING CHIEF, TRAN  
LX~100  
N7~DODX~40170  
NA~VT---S/N: BMY1226----~NONX~CVE YARD  
N9~TG~W80WKN92214500AXX  
N9~TH~EPLRISM  
L5~~M88A1, REC VEH FT MED~U7277917~D  
L0~~107840~LB~~~3606.8~E~1~VEH  
MEA~~HT~134~IN  
MEA~~LN~323~IN  
MEA~~WD~144~IN  
LX~100  
N7~DODX~40170  
NA~VT---S/N: BMY1688----~NONX~CVE YARD  
N9~TG~W80WKN92710003BXX  
N9~TH~EPLRISM  
L5~~M88A1, REC VEH FT MED~U7277917~D  
L0~~107840~LB~~~3606.8~E~1~VEH  
MEA~~HT~134~IN  
MEA~~LN~323~IN  
MEA~~WD~144~IN  
LX~100  
N7~DODX~40397  
NA~VT---S/N: 9B4300-----~NONX~CVE YARD  
N9~TG~W90NWR91037000XXX  
N9~TH~EPLRISM  
L5~~M88A1, REC VEH FT MED~U7277917~D  
L0~~107840~LB~~~3606.8~E~1~VEH  
MEA~~HT~134~IN  
MEA~~LN~323~IN  
MEA~~WD~144~IN  
LX~200  
L0~~~~323520~G~~~~~L  
LX~200  
L0~~~~323520~N~~~~~L  
LX~200  
L0~~~~323520~FR~~~~~L  
LX~400  
L7~~UP~500678~~~~~00  
L5~~M88A1 RECOVERY VEHICLE~U7277917~D  
L0~~323520~LB~323520~FR~~~~~L  
L1~~~~0~~~~~I  
L3~~~~790200~~~~10820.4~E~2  
SE~91~0001  
GE~1~468  
IEA~1~000000467

Example II – Rail NonHazardous 404

ISA~00~                    ~00~                    ~01~CFMFIELDMOD            ~01~CFMEDI  
~991214~2246~U~00200~000000467~0~P~ |  
GS~SI~FMCBL~CFM~991214~2246~468~X~003050  
ST~858~0001  
BX~00~R~CC~G2456081~UP~~B  
N9~FI~SI  
N9~RG~1NXX01749A  
Y7~1  
G62~68~991229~~~~19  
G62~76~991214~~~~19  
G62~83~991208~~~~19  
G62~86~991208~~~LT~19  
R2~VCND~1~WEST YERMO~880180250  
R2~UP~2~KANSAS CITY  
R2~NS~3~~471966250  
NTE~APS~2,323520,21 020200000076020471150120022NL004013 47EPLRGLG2456081000  
NTE~PAY~7902.00  
NTE~INT~111  
NTE~INT~116  
NTE~INT~209  
NTE~CLR~U  
NTE~LOI~NONEXCLUSIVE  
N7~DODX~40170~~~~~6000~~~~~KZ1x  
N5~6000~~~KZ1x  
N7~DODX~40397~~~~~6000~~~~~KZ1x  
N5~6000~~~KZ1x  
N1~CA~UNION PACIFIC RAILROAD CO  
N1~ST~TRANSPORTATION OFFICER~10~W31G1Z  
N3~DEFENSE DISTRIBUTION DEPOT  
N3~7 FRANKFORD AVENUE, ATTN: DDAA-T  
N4~ANNISTON~AL~362014199~~SL~471966250  
N1~SF~MOVEMENT CONTROL CENTER~10~W80S4X  
N3~NATIONAL TRAINING CENTER  
N3~BLDG 828  
N4~FORT IRWIN~CA~923105000~~SL~880180250  
N1~CN~TRANSPORTATION OFFICER~10~W31G1Z  
N3~DEF DIST DEPOT, ANNISTON ARMY DEPOT  
N3~7 FRANKFORD AVENUE, ATTN: DDAA-T  
N4~ANNISTON~AL~362014199~~BL~FGAQ  
N1~SH~TRANSPORTATION DIVISION~10~W80S4X  
N3~NATIONAL TRAINING CENTER  
N3~P.O. BOX 105031 // AFZJ-MCT-F  
N4~FORT IRWIN~CA~923105031~~BL~LKAT  
N1~PO~USBANK~10~PWRTRK  
N1~IU~TRANSPORTATION OFFICER~10~W80S4X  
N3~NATIONAL TRAINING CENTER FT IRWIN  
N3~P.O. BOX 105031 // AFZJ-MCT-F  
N4~FORT IRWIN~CA~923105000~~BL~LKAT  
PER~IO~S. J. MCALLISTER,ACTING CHIEF, TRAN  
LX~100  
N7~DODX~40170

NA~VT---S/N: BMY1226---~NONX~CVE YARD  
N9~TG~W80WKN92214500AXX  
N9~TH~EPLRISM  
L5~~M88A1, REC VEH FT MED~U7277917~D  
L0~~107840~LB~~~3606.8~E~1~VEH  
MEA~~HT~134~IN  
MEA~~LN~323~IN  
MEA~~WD~144~IN  
LX~100  
N7~DODX~40170  
NA~VT---S/N: BMY1688---~NONX~CVE YARD  
N9~TG~W80WKN92710003BXX  
N9~TH~EPLRISM  
L5~~M88A1, REC VEH FT MED~U7277917~D  
L0~~107840~LB~~~3606.8~E~1~VEH  
MEA~~HT~134~IN  
MEA~~LN~323~IN  
MEA~~WD~144~IN  
LX~100  
N7~DODX~40397  
NA~VT---S/N: 9B4300-----~NONX~CVE YARD  
N9~TG~W90NWR91037000XXX  
N9~TH~EPLRISM  
L5~~M88A1, REC VEH FT MED~U7277917~D  
L0~~107840~LB~~~3606.8~E~1~VEH  
MEA~~HT~134~IN  
MEA~~LN~323~IN  
MEA~~WD~144~IN  
LX~200  
L0~~~~323520~G~~~~~L  
LX~200  
L0~~~~323520~N~~~~~L  
LX~200  
L0~~~~323520~FR~~~~~L  
LX~400  
L7~~UP~500678~~~~~00  
L5~~M88A1 RECOVERY VEHICLE~U7277917~D  
L0~~323520~LB~323520~FR~~~~~L  
L1~~~~0~~~~I  
L3~~~~790200~~~~10820.4~E~2  
SE~90~0001  
GE~1~468  
IEA~1~000000467

**Example II – Rail NonHazardous 404 TS with Routing**

ST~404~0001  
BX~00~R~PP~~UP~L~B  
BNX~A~S  
M3~R~20000601~1158~ET  
N9~BM~G2456081~~19991214~1158~ET  
DTM~017~19991229  
DTM~196~19991208  
N7~DODX~40397~107840~N~~~~~RR~~~~6000  
F9~~FORT IRWIN~CA~~~~~880180250  
D9~~ANNISTON~AL~~~~~471966250  
N1~N1~TRANSPORTATION OFFICER  
N3~DEFENSE DISTRIBUTION DEPOT~7 FRANKFORD AVENUE, ATTN: DDAA-T  
N4~ANNISTON~AL~362014199~~SL~471966250  
N1~SF~MOVEMENT CONTROL CENTER  
N3~NATIONAL TRAINING CENTER~BLDG 828  
N4~FORT IRWIN~CA~923105000~~SL~880180250  
N1~CN~TRANSPORTATION OFFICER  
N3~DEF DIST DEPOT, ANNISTON ARMY DEPOT~7 FRANKFORD AVENUE, ATTN: DDAA-T  
N4~ANNISTON~AL~362014199  
N1~SH~TRANSPORTATION DIVISION  
N3~NATIONAL TRAINING CENTER~P.O. BOX 105031 // AFZJ-MCT-F  
N4~FORT IRWIN~CA~923105031  
N1~PF~USBANK  
R2~VCND~1~WEST YERMO  
R2~UP~2~KANSAS CITY  
R2~NS~3  
LX~100  
L5~1~RECOVERY VEHICLE,M88A1~1931150~T  
L0~1~107840~LB~~~~~1~VEH  
PI~CT~500678~TP~~UP~UP~00  
SE~35~0001

ST~404~0002  
BX~00~R~PP~~UP~L~B  
BNX~A~S  
M3~R~20000601~1158~ET  
N9~BM~G2456081~~19991214~1158~ET  
DTM~017~19991229  
DTM~196~19991208  
N7~DODX~40170~215680~N~~~~~RR~~~~6000  
F9~~FORT IRWIN~CA~~~~~880180250  
D9~~ANNISTON~AL~~~~~471966250  
N1~N1~TRANSPORTATION OFFICER  
N3~DEFENSE DISTRIBUTION DEPOT~7 FRANKFORD AVENUE, ATTN: DDAA-T  
N4~ANNISTON~AL~362014199~~SL~471966250  
N1~SF~MOVEMENT CONTROL CENTER  
N3~NATIONAL TRAINING CENTER~BLDG 828  
N4~FORT IRWIN~CA~923105000~~SL~880180250  
N1~CN~TRANSPORTATION OFFICER  
N3~DEF DIST DEPOT, ANNISTON ARMY DEPOT~7 FRANKFORD AVENUE, ATTN: DDAA-T  
N4~ANNISTON~AL~362014199  
N1~SH~TRANSPORTATION DIVISION  
N3~NATIONAL TRAINING CENTER~P.O. BOX 105031 // AFZJ-MCT-F  
N4~FORT IRWIN~CA~923105031  
N1~UC~US GOVERNMENT  
N3~HAWTHORNE ARMY DEPOT~CODE SIOHW-UC  
N4~HAWTHORNE~NV~894155000  
N1~PF~USBANK  
N3~123 MAIN STREET  
N4~MINNEAPOLIS~MN~123400  
R2~VCND~1~WEST YERMO  
R2~UP~2~KANSAS CITY  
R2~NS~3  
LX~100  
L5~1~RECOVERY VEHICLE,M88A1~1931150~T  
L0~1~107840~LB~~~~~1~VEH  
PI~CT~500678~TP~~UP~UP~00  
L5~2~RECOVERY VEHICLE,M88A1~1931150~T  
L0~2~107840~LB~~~~~1~VEH  
PI~CT~500678~TP~~UP~UP~00  
SE~34~0002

SAMPLE TRANSACTIONS FOR CONTAINERIZED INTERMODAL SHIPMENTS

ISA\*04\*SW404 \*00\* \*02\*DDOF \*01\*CSXT  
\*040729\*1432\*U\*00400\*000001217\*0\*P\*|  
GS\*SR\*DDOF\*CSXT\*20040729\*1432\*1217\*X\*004010  
ST\*404\*0001  
BX\*00\*X\*PP\*\*CSXT\*L\*B  
BNX\*A\*\*S  
M3\*R\*20040729\*1420\*ET  
N9\*BM\*W36QLP0002595\*\*20040729\*1420\*ET  
DTM\*196\*20040802  
DTM\*002\*20040820  
N7\*USFU\*000101\*6720\*N\*\*\*\*\*CN  
NA\*\*\*DODX\*40400  
F9\*\*LELAND\*NC\*\*\*\*\*409469250  
D9\*\*DEFENSE\*TX\*\*\*\*\*661157250  
N1\*N1\*RED RIVER ARMY DEPOT  
N3\*WEST GATE 44, HWY 82  
N4\*TEXARKANA\*TX\*775075000\*US\*SL\*661157250  
PER\*NT\*TRANSPORTATION OFFICER\*TE\*9033342335  
N1\*SF\*597TH TRANSPORTATION TERM GP  
N3\*6280 SUNNY POINT ROAD\*INTERSECTION HWY 87 AND 133  
N4\*SOUTHPORT\*NC\*284615000\*US\*SL\*409469250  
N1\*CN\*RED RIVER ARMY DEPOT  
N3\*WEST GATE 44, HWY 82  
N4\*TEXARKANA\*TX\*775075000\*US  
N1\*SH\*597TH TRANSPORTATION TERM GP  
N3\*ATTN: MOTSC-SO\*6280 SUNNY POINT RD  
N4\*SOUTHPORT\*NC\*284615000\*US  
N1\*PF\*U.S. BANK - POWER TRACK  
N3\*1010 SOUTH 7TH STREET  
N4\*MINNEAPOLIS\*MN\*55415  
R2\*CSXT\*S\*MEMPH\*\*60  
R2\*UP\*1  
H3\*405  
LX\*100  
L5\*1\*Ammo/Expl/FrWrks/Chem Mun,noibn/noi, Class 1, Divs\*1991151\*T  
L0\*1\*\*\*6720\*B\*\*\*8\*PLT\*\*L  
PI\*CT\*200402\*TP\*\*CSXT\*CSXT\*00  
LS\*1  
LH1\*PL\*8\*UN0181\*\*1991151\*LB\*6720\*\*\*II  
LH2\*1.1E\*P  
LH3\*ROCKETS, WITH BURSTING CH\*D  
LH3\*ARGE\*D  
LHR\*1I\*PB68  
LE\*1  
PER\*HM\*\*TE\*7036970218  
LH6\*CURTIS FULLWOOD  
SE\*44\*0001  
ST\*404\*0002  
BX\*00\*X\*PP\*\*CSXT\*L\*B  
BNX\*A\*\*S  
M3\*R\*20040729\*1420\*ET

N9\*BM\*W36QLP0002595\*\*20040729\*1420\*ET  
DTM\*196\*20040802  
DTM\*002\*20040820  
N7\*USFU\*000105\*6720\*N\*\*\*\*\*CN  
NA\*\*\*DODX\*40400  
F9\*\*LELAND\*NC\*\*\*\*\*409469250  
D9\*\*DEFENSE\*TX\*\*\*\*\*661157250  
N1\*N1\*RED RIVER ARMY DEPOT  
N3\*WEST GATE 44, HWY 82  
N4\*TEXARKANA\*TX\*775075000\*US\*SL\*661157250  
PER\*NT\*TRANSPORTATION OFFICER\*TE\*9033342335  
N1\*SF\*597TH TRANSPORTATION TERM GP  
N3\*6280 SUNNY POINT ROAD\*INTERSECTION HWY 87 AND 133  
N4\*SOUTHPORT\*NC\*284615000\*US\*SL\*409469250  
N1\*CN\*RED RIVER ARMY DEPOT  
N3\*WEST GATE 44, HWY 82  
N4\*TEXARKANA\*TX\*775075000\*US  
N1\*SH\*597TH TRANSPORTATION TERM GP  
N3\*ATTN: MOTSC-SO\*6280 SUNNY POINT RD  
N4\*SOUTHPORT\*NC\*284615000\*US  
N1\*PF\*U.S. BANK - POWER TRACK  
N3\*1010 SOUTH 7TH STREET  
N4\*MINNEAPOLIS\*MN\*55415  
R2\*CSXT\*S\*MEMPH\*\*60  
R2\*UP\*1  
H3\*405  
LX\*100  
L5\*1\*Ammo/Expl/FrWrks/Chem Mun,noibn/noi, Class 1, Divs\*1991151\*T  
L0\*1\*\*\*6720\*B\*\*\*8\*PLT\*\*L  
PI\*CT\*200402\*TP\*\*CSXT\*CSXT\*00  
LS\*1  
LH1\*PL\*8\*UN0181\*\*1991151\*LB\*6720\*\*\*II  
LH2\*1.1E\*P  
LH3\*ROCKETS, WITH BURSTING CH\*D  
LH3\*ARGE\*D  
LHR\*1I\*PB68  
LE\*1  
PER\*HM\*\*TE\*7036970218  
LH6\*CURTIS FULLWOOD  
SE\*44\*0002  
ST\*404\*0003  
BX\*00\*X\*PP\*\*CSXT\*L\*B  
BNX\*A\*\*S  
M3\*R\*20040729\*1420\*ET  
N9\*BM\*W36QLP0002595\*\*20040729\*1420\*ET  
DTM\*196\*20040802  
DTM\*002\*20040820  
N7\*USFU\*000107\*6720\*N\*\*\*\*\*CN  
NA\*\*\*DODX\*40400  
F9\*\*LELAND\*NC\*\*\*\*\*409469250  
D9\*\*DEFENSE\*TX\*\*\*\*\*661157250  
N1\*N1\*RED RIVER ARMY DEPOT  
N3\*WEST GATE 44, HWY 82  
N4\*TEXARKANA\*TX\*775075000\*US\*SL\*661157250

PER\*NT\*TRANSPORTATION OFFICER\*TE\*9033342335  
N1\*SF\*597TH TRANSPORTATION TERM GP  
N3\*6280 SUNNY POINT ROAD\*INTERSECTION HWY 87 AND 133  
N4\*SOUTHPORT\*NC\*284615000\*US\*SL\*409469250  
N1\*CN\*RED RIVER ARMY DEPOT  
N3\*WEST GATE 44, HWY 82  
N4\*TEXARKANA\*TX\*775075000\*US  
N1\*SH\*597TH TRANSPORTATION TERM GP  
N3\*ATTN: MOTSC-SO\*6280 SUNNY POINT RD  
N4\*SOUTHPORT\*NC\*284615000\*US  
N1\*PF\*U.S. BANK - POWER TRACK  
N3\*1010 SOUTH 7TH STREET  
N4\*MINNEAPOLIS\*MN\*55415  
R2\*CSXT\*S\*MEMPH\*\*60  
R2\*UP\*1  
H3\*405  
LX\*100  
L5\*1\*Ammo/Expl/FrWrks/Chem Mun,noibn/noi, Class 1, Divs\*1991151\*T  
L0\*1\*\*\*6720\*B\*\*\*8\*PLT\*\*L  
PI\*CT\*200402\*TP\*\*CSXT\*CSXT\*00  
LS\*1  
LH1\*PL\*8\*UN0181\*\*1991151\*LB\*6720\*\*\*II  
LH2\*1.1E\*P  
LH3\*ROCKETS, WITH BURSTING CH\*D  
LH3\*ARGE\*D  
LHR\*1I\*PB68  
LE\*1  
PER\*HM\*\*TE\*7036970218  
LH6\*CURTIS FULLWOOD  
SE\*44\*0003  
ST\*404\*0004  
BX\*00\*X\*PP\*\*CSXT\*L\*B  
BNX\*A\*\*S  
M3\*R\*20040729\*1420\*ET  
N9\*BM\*W36QLP0002595\*\*20040729\*1420\*ET  
DTM\*196\*20040802  
DTM\*002\*20040820  
N7\*USFU\*000102\*6720\*N\*\*\*\*\*CN  
NA\*\*\*DODX\*42138  
F9\*\*LELAND\*NC\*\*\*\*\*409469250  
D9\*\*DEFENSE\*TX\*\*\*\*\*661157250  
N1\*N1\*RED RIVER ARMY DEPOT  
N3\*WEST GATE 44, HWY 82  
N4\*TEXARKANA\*TX\*775075000\*US\*SL\*661157250  
PER\*NT\*TRANSPORTATION OFFICER\*TE\*9033342335  
N1\*SF\*597TH TRANSPORTATION TERM GP  
N3\*6280 SUNNY POINT ROAD\*INTERSECTION HWY 87 AND 133  
N4\*SOUTHPORT\*NC\*284615000\*US\*SL\*409469250  
N1\*CN\*RED RIVER ARMY DEPOT  
N3\*WEST GATE 44, HWY 82  
N4\*TEXARKANA\*TX\*775075000\*US  
N1\*SH\*597TH TRANSPORTATION TERM GP  
N3\*ATTN: MOTSC-SO\*6280 SUNNY POINT RD  
N4\*SOUTHPORT\*NC\*284615000\*US

N1\*PF\*U.S. BANK - POWER TRACK  
N3\*1010 SOUTH 7TH STREET  
N4\*MINNEAPOLIS\*MN\*55415  
R2\*CSXT\*S\*MEMPH\*\*60  
R2\*UP\*1  
H3\*405  
LX\*100  
L5\*1\*Ammo/Expl/FrWrks/Chem Mun,noibn/noi, Class 1, Divs\*1991151\*T  
L0\*1\*\*\*6720\*B\*\*\*8\*PLT\*\*L  
PI\*CT\*200402\*TP\*\*CSXT\*CSXT\*00  
LS\*1  
LH1\*PL\*8\*UN0181\*\*1991151\*LB\*6720\*\*\*II  
LH2\*1.1E\*P  
LH3\*ROCKETS, WITH BURSTING CH\*D  
LH3\*ARGE\*D  
LHR\*1I\*PB68  
LE\*1  
PER\*HM\*\*TE\*7036970218  
LH6\*CURTIS FULLWOOD  
SE\*44\*0004  
ST\*404\*0005  
BX\*00\*X\*PP\*\*CSXT\*L\*B  
BNX\*A\*\*S  
M3\*R\*20040729\*1420\*ET  
N9\*BM\*W36QLP0002595\*\*20040729\*1420\*ET  
DTM\*196\*20040802  
DTM\*002\*20040820  
N7\*USFU\*000104\*6720\*N\*\*\*\*\*CN  
NA\*\*\*DODX\*42138  
F9\*\*LELAND\*NC\*\*\*\*\*409469250  
D9\*\*DEFENSE\*TX\*\*\*\*\*661157250  
N1\*N1\*RED RIVER ARMY DEPOT  
N3\*WEST GATE 44, HWY 82  
N4\*TEXARKANA\*TX\*775075000\*US\*SL\*661157250  
PER\*NT\*TRANSPORTATION OFFICER\*TE\*9033342335  
N1\*SF\*597TH TRANSPORTATION TERM GP  
N3\*6280 SUNNY POINT ROAD\*INTERSECTION HWY 87 AND 133  
N4\*SOUTHPORT\*NC\*284615000\*US\*SL\*409469250  
N1\*CN\*RED RIVER ARMY DEPOT  
N3\*WEST GATE 44, HWY 82  
N4\*TEXARKANA\*TX\*775075000\*US  
N1\*SH\*597TH TRANSPORTATION TERM GP  
N3\*ATTN: MOTSC-SO\*6280 SUNNY POINT RD  
N4\*SOUTHPORT\*NC\*284615000\*US  
N1\*PF\*U.S. BANK - POWER TRACK  
N3\*1010 SOUTH 7TH STREET  
N4\*MINNEAPOLIS\*MN\*55415  
R2\*CSXT\*S\*MEMPH\*\*60  
R2\*UP\*1  
H3\*405  
LX\*100  
L5\*1\*Ammo/Expl/FrWrks/Chem Mun,noibn/noi, Class 1, Divs\*1991151\*T  
L0\*1\*\*\*6720\*B\*\*\*8\*PLT\*\*L  
PI\*CT\*200402\*TP\*\*CSXT\*CSXT\*00

LS\*1  
LH1\*PL\*8\*UN0181\*\*1991151\*LB\*6720\*\*\*II  
LH2\*1.1E\*P  
LH3\*ROCKETS, WITH BURSTING CH\*D  
LH3\*ARGE\*D  
LHR\*1I\*PB68  
LE\*1  
PER\*HM\*\*TE\*7036970218  
LH6\*CURTIS FULLWOOD  
SE\*44\*0005  
ST\*404\*0006  
BX\*00\*X\*PP\*\*CSXT\*L\*B  
BNX\*A\*\*S  
M3\*R\*20040729\*1420\*ET  
N9\*BM\*W36QLP0002595\*\*20040729\*1420\*ET  
DTM\*196\*20040802  
DTM\*002\*20040820  
N7\*USFU\*000105\*6720\*N\*\*\*\*\*CN  
NA\*\*\*DODX\*42138  
F9\*\*LELAND\*NC\*\*\*\*\*409469250  
D9\*\*DEFENSE\*TX\*\*\*\*\*661157250  
N1\*N1\*RED RIVER ARMY DEPOT  
N3\*WEST GATE 44, HWY 82  
N4\*TEXARKANA\*TX\*775075000\*US\*SL\*661157250  
PER\*NT\*TRANSPORTATION OFFICER\*TE\*9033342335  
N1\*SF\*597TH TRANSPORTATION TERM GP  
N3\*6280 SUNNY POINT ROAD\*INTERSECTION HWY 87 AND 133  
N4\*SOUTHPORT\*NC\*284615000\*US\*SL\*409469250  
N1\*CN\*RED RIVER ARMY DEPOT  
N3\*WEST GATE 44, HWY 82  
N4\*TEXARKANA\*TX\*775075000\*US  
N1\*SH\*597TH TRANSPORTATION TERM GP  
N3\*ATTN: MOTSC-SO\*6280 SUNNY POINT RD  
N4\*SOUTHPORT\*NC\*284615000\*US  
N1\*PF\*U.S. BANK - POWER TRACK  
N3\*1010 SOUTH 7TH STREET  
N4\*MINNEAPOLIS\*MN\*55415  
R2\*CSXT\*S\*MEMPH\*\*60  
R2\*UP\*1  
H3\*405  
LX\*100  
L5\*1\*Ammo/Expl/FrWrks/Chem Mun,noibn/noi, Class 1, Divs\*1991151\*T  
L0\*1\*\*\*6720\*B\*\*\*8\*PLT\*\*L  
PI\*CT\*200402\*TP\*\*CSXT\*CSXT\*00  
LS\*1  
LH1\*PL\*8\*UN0181\*\*1991151\*LB\*6720\*\*\*II  
LH2\*1.1E\*P  
LH3\*ROCKETS, WITH BURSTING CH\*D  
LH3\*ARGE\*D  
LHR\*1I\*PB68  
LE\*1  
PER\*HM\*\*TE\*7036970218  
LH6\*CURTIS FULLWOOD  
SE\*44\*0006

ST\*404\*0007  
BX\*00\*X\*PP\*\*CSXT\*L\*B  
BNX\*A\*\*S  
M3\*R\*20040729\*1420\*ET  
N9\*BM\*W36QLP0002595\*\*20040729\*1420\*ET  
DTM\*196\*20040802  
DTM\*002\*20040820  
N7\*USFU\*000106\*6720\*N\*\*\*\*\*CN  
NA\*\*\*DODX\*42138  
F9\*\*LELAND\*NC\*\*\*\*\*409469250  
D9\*\*DEFENSE\*TX\*\*\*\*\*661157250  
N1\*N1\*RED RIVER ARMY DEPOT  
N3\*WEST GATE 44, HWY 82  
N4\*TEXARKANA\*TX\*775075000\*US\*SL\*661157250  
PER\*NT\*TRANSPORTATION OFFICER\*TE\*9033342335  
N1\*SF\*597TH TRANSPORTATION TERM GP  
N3\*6280 SUNNY POINT ROAD\*INTERSECTION HWY 87 AND 133  
N4\*SOUTHPORT\*NC\*284615000\*US\*SL\*409469250  
N1\*CN\*RED RIVER ARMY DEPOT  
N3\*WEST GATE 44, HWY 82  
N4\*TEXARKANA\*TX\*775075000\*US  
N1\*SH\*597TH TRANSPORTATION TERM GP  
N3\*ATTN: MOTSC-SO\*6280 SUNNY POINT RD  
N4\*SOUTHPORT\*NC\*284615000\*US  
N1\*PF\*U.S. BANK - POWER TRACK  
N3\*1010 SOUTH 7TH STREET  
N4\*MINNEAPOLIS\*MN\*55415  
R2\*CSXT\*S\*MEMPH\*\*60  
R2\*UP\*1  
H3\*405  
LX\*100  
L5\*1\*Ammo/Expl/FrWrks/Chem Mun,noibn/noi, Class 1, Divs\*1991151\*T  
L0\*1\*\*\*6720\*B\*\*\*8\*PLT\*\*L  
PI\*CT\*200402\*TP\*\*CSXT\*CSXT\*00  
LS\*1  
LH1\*PL\*8\*UN0181\*\*1991151\*LB\*6720\*\*\*II  
LH2\*1.1E\*P  
LH3\*ROCKETS, WITH BURSTING CH\*D  
LH3\*ARGE\*D  
LHR\*1I\*PB68  
LE\*1  
PER\*HM\*\*TE\*7036970218  
LH6\*CURTIS FULLWOOD  
SE\*44\*0007  
ST\*404\*0008  
BX\*00\*X\*PP\*\*CSXT\*L\*B  
BNX\*A\*\*S  
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N9\*BM\*W36QLP0002595\*\*20040729\*1420\*ET  
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F9\*\*LELAND\*NC\*\*\*\*\*409469250

D9\*\*DEFENSE\*TX\*\*\*\*\*661157250  
N1\*N1\*RED RIVER ARMY DEPOT  
N3\*WEST GATE 44, HWY 82  
N4\*TEXARKANA\*TX\*775075000\*US\*SL\*661157250  
PER\*NT\*TRANSPORTATION OFFICER\*TE\*9033342335  
N1\*SF\*597TH TRANSPORTATION TERM GP  
N3\*6280 SUNNY POINT ROAD\*INTERSECTION HWY 87 AND 133  
N4\*SOUTHPORT\*NC\*284615000\*US\*SL\*409469250  
N1\*CN\*RED RIVER ARMY DEPOT  
N3\*WEST GATE 44, HWY 82  
N4\*TEXARKANA\*TX\*775075000\*US  
N1\*SH\*597TH TRANSPORTATION TERM GP  
N3\*ATTN: MOTSC-SO\*6280 SUNNY POINT RD  
N4\*SOUTHPORT\*NC\*284615000\*US  
N1\*PF\*U.S. BANK - POWER TRACK  
N3\*1010 SOUTH 7TH STREET  
N4\*MINNEAPOLIS\*MN\*55415  
R2\*CSXT\*S\*MEMPH\*\*60  
R2\*UP\*1  
H3\*405  
LX\*100  
L5\*1\*Ammo/Expl/FrWrks/Chem Mun,noibn/noi, Class 1, Divs\*1991151\*T  
L0\*1\*\*\*6720\*B\*\*\*8\*PLT\*\*L  
PI\*CT\*200402\*TP\*\*CSXT\*CSXT\*00  
LS\*1  
LH1\*PL\*8\*UN0181\*\*1991151\*LB\*6720\*\*\*II  
LH2\*1.1E\*P  
LH3\*ROCKETS, WITH BURSTING CH\*D  
LH3\*ARGE\*D  
LHR\*1I\*PB68  
LE\*1  
PER\*HM\*\*TE\*7036970218  
LH6\*CURTIS FULLWOOD  
SE\*44\*0008  
ST\*404\*0009  
BX\*00\*X\*PP\*\*CSXT\*L\*B  
BNX\*A\*\*S  
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NA\*\*\*DODX\*42340  
F9\*\*LELAND\*NC\*\*\*\*\*409469250  
D9\*\*DEFENSE\*TX\*\*\*\*\*661157250  
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N3\*WEST GATE 44, HWY 82  
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N3\*6280 SUNNY POINT ROAD\*INTERSECTION HWY 87 AND 133  
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N3\*WEST GATE 44, HWY 82

N4\*TEXARKANA\*TX\*775075000\*US  
N1\*SH\*597TH TRANSPORTATION TERM GP  
N3\*ATTN: MOTSC-SO\*6280 SUNNY POINT RD  
N4\*SOUTHPORT\*NC\*284615000\*US  
N1\*PF\*U.S. BANK - POWER TRACK  
N3\*1010 SOUTH 7TH STREET  
N4\*MINNEAPOLIS\*MN\*55415  
R2\*CSXT\*S\*MEMPH\*\*60  
R2\*UP\*1  
H3\*405  
LX\*100  
L5\*1\*Ammo/Expl/FrWrks/Chem Mun,noibn/noi, Class 1, Divs\*1991151\*T  
L0\*1\*\*\*6720\*B\*\*\*8\*PLT\*\*L  
PI\*CT\*200402\*TP\*\*CSXT\*CSXT\*00  
LS\*1  
LH1\*PL\*8\*UN0181\*\*1991151\*LB\*6720\*\*\*II  
LH2\*1.1E\*P  
LH3\*ROCKETS, WITH BURSTING CH\*D  
LH3\*ARGE\*D  
LHR\*1I\*PB68  
LE\*1  
PER\*HM\*\*TE\*7036970218  
LH6\*CURTIS FULLWOOD  
SE\*44\*0009  
ST\*404\*0010  
BX\*00\*X\*PP\*\*CSXT\*L\*B  
BNX\*A\*\*S  
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D9\*\*DEFENSE\*TX\*\*\*\*\*661157250  
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N1\*CN\*RED RIVER ARMY DEPOT  
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N3\*ATTN: MOTSC-SO\*6280 SUNNY POINT RD  
N4\*SOUTHPORT\*NC\*284615000\*US  
N1\*PF\*U.S. BANK - POWER TRACK  
N3\*1010 SOUTH 7TH STREET  
N4\*MINNEAPOLIS\*MN\*55415  
R2\*CSXT\*S\*MEMPH\*\*60  
R2\*UP\*1  
H3\*405

LX\*100  
L5\*1\*Ammo/Expl/FrWrks/Chem Mun,noibn/noi, Class 1, Divs\*1991151\*T  
L0\*1\*\*\*6720\*B\*\*\*8\*PLT\*\*L  
PI\*CT\*200402\*TP\*\*CSXT\*CSXT\*00  
LS\*1  
LH1\*PL\*8\*UN0181\*\*1991151\*LB\*5920\*\*\*II  
LH2\*1.1E\*P  
LH3\*ROCKETS, WITH BURSTING CH\*D  
LH3\*ARGE\*D  
LHR\*1I\*PB68  
LE\*1  
PER\*HM\*\*TE\*7036970218  
LH6\*CURTIS FULLWOOD  
SE\*44\*0010  
ST\*404\*0011  
BX\*00\*X\*PP\*\*CSXT\*L\*B  
BNX\*A\*\*S  
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DTM\*196\*20040802  
DTM\*002\*20040820  
N7\*USFU\*000106\*6720\*N\*\*\*\*\*CN  
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F9\*\*LELAND\*NC\*\*\*\*\*409469250  
D9\*\*DEFENSE\*TX\*\*\*\*\*661157250  
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N3\*WEST GATE 44, HWY 82  
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N4\*SOUTHPORT\*NC\*284615000\*US  
N1\*PF\*U.S. BANK - POWER TRACK  
N3\*1010 SOUTH 7TH STREET  
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R2\*CSXT\*S\*MEMPH\*\*60  
R2\*UP\*1  
H3\*405  
LX\*100  
L5\*1\*Ammo/Expl/FrWrks/Chem Mun,noibn/noi, Class 1, Divs\*1991151\*T  
L0\*1\*\*\*6720\*B\*\*\*8\*PLT\*\*L  
PI\*CT\*200402\*TP\*\*CSXT\*CSXT\*00  
LS\*1  
LH1\*PL\*8\*UN0181\*\*1991151\*LB\*6720\*\*\*II  
LH2\*1.1E\*P  
LH3\*ROCKETS, WITH BURSTING CH\*D  
LH3\*ARGE\*D  
LHR\*1I\*PB68

LE\*1  
PER\*HM\*\*TE\*7036970218  
LH6\*CURTIS FULLWOOD  
SE\*44\*0011  
ST\*404\*0012  
BX\*00\*X\*PP\*\*CSXT\*L\*B  
BNX\*A\*\*S  
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N3\*WEST GATE 44, HWY 82  
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N1\*SF\*597TH TRANSPORTATION TERM GP  
N3\*6280 SUNNY POINT ROAD\*INTERSECTION HWY 87 AND 133  
N4\*SOUTHPORT\*NC\*284615000\*US\*SL\*409469250  
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N1\*SH\*597TH TRANSPORTATION TERM GP  
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N4\*SOUTHPORT\*NC\*284615000\*US  
N1\*PF\*U.S. BANK - POWER TRACK  
N3\*1010 SOUTH 7TH STREET  
N4\*MINNEAPOLIS\*MN\*55415  
R2\*CSXT\*S\*MEMPH\*\*60  
R2\*UP\*1  
H3\*405  
LX\*100  
L5\*1\*Ammo/Expl/FrWrks/Chem Mun,noibn/noi, Class 1, Divs\*1991151\*T  
L0\*1\*\*\*6720\*B\*\*\*8\*PLT\*\*L  
PI\*CT\*200402\*TP\*\*CSXT\*CSXT\*00  
LS\*1  
LH1\*PL\*8\*UN0181\*\*1991151\*LB\*6720\*\*\*II  
LH2\*1.1E\*P  
LH3\*ROCKETS, WITH BURSTING CH\*D  
LH3\*ARGE\*D  
LHR\*1I\*PB68  
LE\*1  
PER\*HM\*\*TE\*7036970218  
LH6\*CURTIS FULLWOOD  
SE\*44\*0012  
ST\*404\*0013  
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BNX\*A\*\*S  
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N3\*WEST GATE 44, HWY 82  
N4\*TEXARKANA\*TX\*775075000\*US\*SL\*661157250  
PER\*NT\*TRANSPORTATION OFFICER\*TE\*9033342335  
N1\*SF\*597TH TRANSPORTATION TERM GP  
N3\*6280 SUNNY POINT ROAD\*INTERSECTION HWY 87 AND 133  
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N4\*TEXARKANA\*TX\*775075000\*US  
N1\*SH\*597TH TRANSPORTATION TERM GP  
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N4\*SOUTHPORT\*NC\*284615000\*US  
N1\*PF\*U.S. BANK - POWER TRACK  
N3\*1010 SOUTH 7TH STREET  
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R2\*UP\*1  
H3\*405  
LX\*100  
L5\*1\*Ammo/Expl/FrWrks/Chem Mun,noibn/noi, Class 1, Divs\*1991151\*T  
L0\*1\*\*\*6720\*B\*\*\*8\*PLT\*\*L  
PI\*CT\*200402\*TP\*\*CSXT\*CSXT\*00  
LS\*1  
LH1\*PL\*8\*UN0181\*\*1991151\*LB\*6720\*\*\*II  
LH2\*1.1E\*P  
LH3\*ROCKETS, WITH BURSTING CH\*D  
LH3\*ARGE\*D  
LHR\*1I\*PB68  
LE\*1  
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LH6\*CURTIS FULLWOOD  
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ST\*404\*0014  
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DTM\*002\*20040820  
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D9\*\*DEFENSE\*TX\*\*\*\*\*661157250  
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N3\*6280 SUNNY POINT ROAD\*INTERSECTION HWY 87 AND 133  
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N1\*SH\*597TH TRANSPORTATION TERM GP  
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N4\*SOUTHPORT\*NC\*284615000\*US  
N1\*PF\*U.S. BANK - POWER TRACK  
N3\*1010 SOUTH 7TH STREET  
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R2\*UP\*1  
H3\*405  
LX\*100  
L5\*1\*Ammo/Expl/FrWrks/Chem Mun,noibn/noi, Class 1, Divs\*1991151\*T  
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PI\*CT\*200402\*TP\*\*CSXT\*CSXT\*00  
LS\*1  
LH1\*PL\*8\*UN0181\*\*1991151\*LB\*6720\*\*\*II  
LH2\*1.1E\*P  
LH3\*ROCKETS, WITH BURSTING CH\*D  
LH3\*ARGE\*D  
LHR\*1I\*PB68  
LE\*1  
PER\*HM\*\*TE\*7036970218  
LH6\*CURTIS FULLWOOD  
SE\*44\*0014  
ST\*404\*0015  
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BNX\*A\*\*S  
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D9\*\*DEFENSE\*TX\*\*\*\*\*661157250  
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N4\*MINNEAPOLIS\*MN\*55415  
R2\*CSXT\*S\*MEMPH\*\*60  
R2\*UP\*1  
H3\*405  
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L5\*1\*Ammo/Expl/FrWrks/Chem Mun,noibn/noi, Class 1, Divs\*1991151\*T  
L0\*1\*\*\*6720\*B\*\*\*8\*PLT\*\*L  
PI\*CT\*200402\*TP\*\*CSXT\*CSXT\*00  
LS\*1  
LH1\*PL\*8\*UN0181\*\*1991151\*LB\*6720\*\*\*II  
LH2\*1.1E\*P  
LH3\*ROCKETS, WITH BURSTING CH\*D  
LH3\*ARGE\*D  
LHR\*1I\*PB68  
LE\*1  
PER\*HM\*\*TE\*7036970218  
LH6\*CURTIS FULLWOOD  
SE\*44\*0015  
ST\*404\*0016  
BX\*00\*X\*PP\*\*CSXT\*L\*B  
BNX\*A\*\*S  
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DTM\*002\*20040820  
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D9\*\*DEFENSE\*TX\*\*\*\*\*661157250  
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R2\*CSXT\*S\*MEMPH\*\*60  
R2\*UP\*1  
H3\*405  
LX\*100  
L5\*1\*Ammo/Expl/FrWrks/Chem Mun,noibn/noi, Class 1, Divs\*1991151\*T  
L0\*1\*\*\*6720\*B\*\*\*8\*PLT\*\*L  
PI\*CT\*200402\*TP\*\*CSXT\*CSXT\*00  
LS\*1  
LH1\*PL\*8\*UN0181\*\*1991151\*LB\*6720\*\*\*II

LH2\*1.1E\*P  
LH3\*ROCKETS, WITH BURSTING CH\*D  
LH3\*ARGE\*D  
LHR\*1I\*PB68  
LE\*1  
PER\*HM\*\*TE\*7036970218  
LH6\*CURTIS FULLWOOD  
SE\*44\*0016  
ST\*404\*0017  
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BNX\*A\*\*S  
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D9\*\*DEFENSE\*TX\*\*\*\*\*661157250  
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N3\*WEST GATE 44, HWY 82  
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N3\*6280 SUNNY POINT ROAD\*INTERSECTION HWY 87 AND 133  
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N1\*SH\*597TH TRANSPORTATION TERM GP  
N3\*ATTN: MOTSC-SO\*6280 SUNNY POINT RD  
N4\*SOUTHPORT\*NC\*284615000\*US  
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N3\*1010 SOUTH 7TH STREET  
N4\*MINNEAPOLIS\*MN\*55415  
R2\*CSXT\*S\*MEMPH\*\*60  
R2\*UP\*1  
H3\*405  
LX\*100  
L5\*1\*Ammo/Expl/FrWrks/Chem Mun,noibn/noi, Class 1, Divs\*1991151\*T  
L0\*1\*\*\*6720\*B\*\*\*8\*PLT\*\*L  
PI\*CT\*200402\*TP\*\*CSXT\*CSXT\*00  
LS\*1  
LH1\*PL\*8\*UN0181\*\*1991151\*LB\*6720\*\*\*II  
LH2\*1.1E\*P  
LH3\*ROCKETS, WITH BURSTING CH\*D  
LH3\*ARGE\*D  
LHR\*1I\*PB68  
LE\*1  
PER\*HM\*\*TE\*7036970218  
LH6\*CURTIS FULLWOOD  
SE\*44\*0017  
ST\*404\*0018  
BX\*00\*X\*PP\*\*CSXT\*L\*B

BNX\*A\*\*S  
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F9\*\*LELAND\*NC\*\*\*\*\*409469250  
D9\*\*DEFENSE\*TX\*\*\*\*\*661157250  
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N3\*WEST GATE 44, HWY 82  
N4\*TEXARKANA\*TX\*775075000\*US\*SL\*661157250  
PER\*NT\*TRANSPORTATION OFFICER\*TE\*9033342335  
N1\*SF\*597TH TRANSPORTATION TERM GP  
N3\*6280 SUNNY POINT ROAD\*INTERSECTION HWY 87 AND 133  
N4\*SOUTHPORT\*NC\*284615000\*US\*SL\*409469250  
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N3\*WEST GATE 44, HWY 82  
N4\*TEXARKANA\*TX\*775075000\*US  
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N3\*ATTN: MOTSC-SO\*6280 SUNNY POINT RD  
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R2\*CSXT\*S\*MEMPH\*\*60  
R2\*UP\*1  
H3\*405  
LX\*100  
L5\*1\*Ammo/Expl/FrWrks/Chem Mun,noibn/noi, Class 1, Divs\*1991151\*T  
L0\*1\*\*\*6720\*B\*\*\*8\*PLT\*\*L  
PI\*CT\*200402\*TP\*\*CSXT\*CSXT\*00  
LS\*1  
LH1\*PL\*8\*UN0181\*\*1991151\*LB\*6720\*\*\*II  
LH2\*1.1E\*P  
LH3\*ROCKETS, WITH BURSTING CH\*D  
LH3\*ARGE\*D  
LHR\*1I\*PB68  
LE\*1  
PER\*HM\*\*TE\*7036970218  
LH6\*CURTIS FULLWOOD  
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ST\*404\*0019  
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BNX\*A\*\*S  
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F9\*\*LELAND\*NC\*\*\*\*\*409469250  
D9\*\*DEFENSE\*TX\*\*\*\*\*661157250  
N1\*N1\*RED RIVER ARMY DEPOT

N3\*WEST GATE 44, HWY 82  
N4\*TEXARKANA\*TX\*775075000\*US\*SL\*661157250  
PER\*NT\*TRANSPORTATION OFFICER\*TE\*9033342335  
N1\*SF\*597TH TRANSPORTATION TERM GP  
N3\*6280 SUNNY POINT ROAD\*INTERSECTION HWY 87 AND 133  
N4\*SOUTHPORT\*NC\*284615000\*US\*SL\*409469250  
N1\*CN\*RED RIVER ARMY DEPOT  
N3\*WEST GATE 44, HWY 82  
N4\*TEXARKANA\*TX\*775075000\*US  
N1\*SH\*597TH TRANSPORTATION TERM GP  
N3\*ATTN: MOTSC-SO\*6280 SUNNY POINT RD  
N4\*SOUTHPORT\*NC\*284615000\*US  
N1\*PF\*U.S. BANK - POWER TRACK  
N3\*1010 SOUTH 7TH STREET  
N4\*MINNEAPOLIS\*MN\*55415  
R2\*CSXT\*S\*MEMPH\*\*60  
R2\*UP\*1  
H3\*405  
LX\*100  
L5\*1\*Ammo/Expl/FrWrks/Chem Mun,noibn/noi, Class 1, Divs\*1991151\*T  
L0\*1\*\*\*6720\*B\*\*\*8\*PLT\*\*L  
PI\*CT\*200402\*TP\*\*CSXT\*CSXT\*00  
LS\*1  
LH1\*PL\*8\*UN0181\*\*1991151\*LB\*6720\*\*\*II  
LH2\*1.1E\*P  
LH3\*ROCKETS, WITH BURSTING CH\*D  
LH3\*ARGE\*D  
LHR\*1I\*PB68  
LE\*1  
PER\*HM\*\*TE\*7036970218  
LH6\*CURTIS FULLWOOD  
SE\*44\*0019  
GE\*19\*1217  
IEA\*1\*000001217

**Example 404 with Conventional Railcar Shipments**

ISA\*00\*                   \*00\*                   \*01\*DDOF                   \*01\*WSOR  
\*051130\*0931\*U\*00400\*000000010\*0\*P\*|  
GS\*SR\*DDOF\*WSOR\*20051130\*0931\*10\*X\*004010  
ST\*404\*0001  
BX\*00\*R\*PP\*\*WSOR\*L\*B  
BNX\*A\*\*S  
M3\*R\*20051130\*0902\*ET  
N9\*BM\*S1403A0023374\*\*20051130\*0902\*ET  
DTM\*196\*20051202  
DTM\*002\*20051215  
N7\*ITTX\*930341\*64940\*N\*\*\*\*\*RR  
F9\*\*OSHKOSH\*WI\*\*\*\*\*331560000  
D9\*\*PORT HUENEME\*CA\*\*\*\*\*884169290  
N1\*N1\*COMMANDING OFFICER  
N3\*NAVAL CONSTRUCTION BATALLION CEN\*1000 23RD AVE BLDG 801 N4\*PORT  
HUENEME\*CA\*930434301\*USA\*SL\*884169290  
PER\*NT\*TRANSPORTATION OFFICER\*TE\*8057971423 N1\*SF\*OSHKOSH TRUCK CORP.  
N3\*20TH AVE FACILITY\*339 W. 20TH AVENUE  
N4\*OSHKOSH\*WI\*54902\*USA\*SL\*331560000  
N1\*CN\*COMMANDING OFFICER  
N3\*NAVAL CONSTRUCTION BATALLION CEN\*1000 23RD AVE BLDG 801 N4\*PORT  
HUENEME\*CA\*930434301\*USA N1\*SH\*OSHKOSH TRUCK CORP.  
N3\*20TH AVE FACILITY\*339 W. 20TH AVENUE  
N4\*OSHKOSH\*WI\*54902\*USA  
N1\*PF\*PowerTrack, U.S. Bank  
N3\*EP-MN-L27C\*200 South Sixth Street  
N4\*MINNEAPOLIS\*MN\*55402  
R2\*WSOR\*S  
H3\*405  
LX\*100  
L5\*1\*Vehicles Motor Freight, Including Tractors (Driving\*3711972\*T  
L0\*1\*\*\*64940\*B\*\*\*2\*VEH\*\*L PI\*CT\*500107\*TP\*\*WSOR\*WSOR\*00  
SE\*33\*0001  
GE\*1\*10  
IEA\*1\*000000010

## Section 6.0

### APPLICATION CODE LISTS

This section contains code lists that are maintained by the Department of Defense for formatting rail carrier shipment information data to the ASC X12 Transaction Set 404.

#### [169] - Accessorial/Protective Service Code

404 Mapping: 1 520 H301 152

## Accessorial Services for Rail Shipments

<b>DoD Code</b>	<b>X12 Code</b>	<b>DoD Definition</b>
	<b>405 *</b>	<b>Fuel Surcharge Authorized</b> <i>X12 Definition: Fuel Surcharge</i> <i>Note: 4/6/2001 Code value added per SDDC guidance. Migration code for DE 152.</i>
	<b>AGS</b>	<b>Rail Armed Guard Surveillance Service</b> <i>X12 Definition: Armed Guard Service</i> <i>Note: 1/30/2003 CHANGE NOTE: Code value added per DM #572.</i>
	<b>IS</b>	<b>Greater Security Service</b> <i>X12 Definition: Surveillance Service</i> <i>Note: 1/30/2003 CHANGE NOTE: Code value added per DM #572.</i>
	<b>RS</b>	<b>Rail Inspection Service</b> <i>X12 Definition: Inspect Hourly if Car Stopped</i> <i>Note: 1/30/2003 CHANGE NOTE: Code value added per DM #572.</i>
<b>AA</b>	<b>AAS</b>	<b>Attendants Accompanying</b>
<b>BB</b>	<b>BLK</b>	<b>Blocking and Bracing</b>
<b>CG</b>	<b>CCS</b>	<b>Carrier Caboose</b>
<b>CG</b>	<b>CGC</b>	<b>Carrier Guard Car Service</b>
<b>CG</b>	<b>CGR</b>	<b>Government Caboose/Guard Cars Returned</b> <i>X12 Definition: Return Carrier Guard Car Service</i>
<b>CG</b>	<b>CSP</b>	<b>Government Caboose Charge</b> <i>X12 Definition: Government Caboose</i>
<b>CG</b>	<b>GSP</b>	<b>Government Guard Car</b> <i>Note: 7/12/2001 CHANGE NOTE: Code value added per SDDC guidance.</i>
<b>GS</b>	<b>GSS</b>	<b>Greater Security Service</b>
<b>HW</b>	<b>HW</b>	<b>High Wide Load</b> <i>Note: 4/6/2001 CHANGE NOTE: Code value added per SDDC guidance. Migration code for DE 0532</i>
<b>RG</b>	<b>ARG</b>	<b>Rail Armed Guard Service</b>
<b>RI</b>	<b>RIS *</b>	<b>Rail Inspection Service</b> <i>Note: 4/6/2001 CHANGE NOTE: 'RIS' replaces 'RMS' per DMs #405 and #432</i>
<b>RV</b>	<b>RLS</b>	<b>Relocation of Vehicle</b>
<b>SS</b>	<b>SFT</b>	<b>Special Train Service</b> <i>X12 Definition: Special Train Movement</i>

\* Migration Code

## [171] - Rail Service Rule Code

404 Mapping: 1 530 PS01 746

If unknown use 800 for Intermodal or 705 for Carload Frozen or 710 for Carload Non-frozen

<b>X12 Code</b>	<b>DoD Definition</b>
226	Stop for icing
240	Initially iced by shipper - Do not re-ice
242	Top Iced by shipper at origin
245	Precooled and preiced by shipper - Do not re-ice
509	Modified Carrier's Protective Service (Intrastate only)
510	Shipper's Protective Service
515	Carrier's Protective Service
580	Special heater protective service
705	Optimum temperature of zero degrees or less
710	Optimum temperature above zero degrees
711	Place under modified MPS at fires regular inspection station
712	Shipper's specified MPS at origin or stop point
715	Optimum temperature of zero degrees or less (Car owned/Leased by shipper)
720	Do not operate unit
765	Optimum temperature above zero degrees - Body iced by shipper
800	Intermodal
805	Optimum temperature above zero degrees
810	Ventilators opened at origin
830	Optimum temperature of zero degrees or less

## [191] - Packaging Form Code

404 Mapping: 1 570 L009 211

DoD Code	X12 Code	DoD Definition
<b>AB</b>	<b>CNT</b>	<b>MSC leased/controller SEAVAN or MILVAN</b> <i>X12 Definition: Container</i> <i>Note: 4/6/2001 CHANGE NOTE: Added per DM 529.</i>
<b>BD</b>	<b>BDL</b>	<b>Bundle</b>
<b>BE</b>	<b>BAL</b>	<b>Bale</b>
<b>BG</b>	<b>BAG</b>	<b>Bag, burlap or cloth</b> <i>X12 Definition: Bag</i>
<b>BL</b>	<b>BBL</b>	<b>Barrel</b>
<b>BS</b>	<b>BSK</b>	<b>Basket</b> <i>X12 Definition: Basket or hamper</i>
<b>BX</b>	<b>BOX</b>	<b>Box</b>
<b>CA</b>	<b>CAB</b>	<b>Cabinet</b>
<b>CB</b>	<b>CBY</b>	<b>Carboy</b>
<b>CC</b>	<b>CNT</b>	<b>Household goods container - wood</b> <i>X12 Definition: Container</i> <i>Note: 4/6/2001 CHANGE NOTE: Added per DM 529.</i>
<b>CL</b>	<b>COL</b>	<b>Coil</b>
<b>CN</b>	<b>CAN</b>	<b>Can</b>
<b>CO</b>	<b>CNT</b>	<b>Container, other than CC, CM, CU, CW, MW, MX</b> <i>X12 Definition: Container</i>
<b>CR</b>	<b>CRT</b>	<b>Crate</b> <i>Note: 4/6/2001 CHANGE NOTE: CR changed from CW per DM 503.</i>
<b>CS</b>	<b>CAS</b>	<b>Case</b>
<b>CT</b>	<b>CTN</b>	<b>Carton</b>
<b>CU</b>	<b>CNT</b>	<b>Container - Navy Cargo transporter</b> <i>X12 Definition: Container</i> <i>Note: 4/6/2001 CHANGE NOTE: Added per DM 529.</i>
<b>CW</b>	<b>CNT</b>	<b>Container - commercial highway</b> <i>X12 Definition: Container</i> <i>Note: 4/6/2001 CHANGE NOTE: Added per DM 529.</i>
<b>CY</b>	<b>CYL</b>	<b>Cylinder</b>
<b>DR</b>	<b>DRM</b>	<b>Drum</b>
<b>EC</b>	<b>CNT</b>	<b>Engine container</b> <i>X12 Definition: Container</i> <i>Note: 4/6/2001 CHANGE NOTE: Added per DM 529.</i>
<b>EN</b>	<b>ENV</b>	<b>Envelope</b>

<b>FK</b>	<b>TRK</b>	<b>Footlocker (Trunk)</b> <i>X12 Definition: Trunk and Chest</i> <i>Note: 4/6/2001 CHANGE NOTE: Corrected DoD value from 'TK' to 'FK' to match 858R values per SDDC guidance.</i>
<b>KE</b>	<b>KEG</b>	<b>Keg</b>
<b>LS</b>	<b>LSE</b>	<b>Loose, not packed</b> <i>X12 Definition: Loose</i>
<b>MW</b>	<b>CNT</b>	<b>Multiwall container</b> <i>X12 Definition: Container</i> <i>Note: 4/6/2001 CHANGE NOTE: Added per DM 529.</i>
<b>MX</b>	<b>PCK</b>	<b>Mixed - more than one type of shipping container</b> <i>X12 Definition: Packed - not otherwise specified</i> <i>Note: 4/6/2001 CHANGE NOTE: Added per DM 529. Replaced X12 code value 'MXD'.</i>
<b>PC</b>	<b>PCS</b>	<b>Piece</b> <i>X12 Definition: Pieces</i>
<b>PL</b>	<b>PAL</b>	<b>Pail</b>
<b>PT</b>	<b>PLT</b>	<b>Palletized unit load other than code MW</b> <i>X12 Definition: Pallet</i>
<b>RL</b>	<b>REL</b>	<b>Reel</b>
<b>RO</b>	<b>ROL</b>	<b>Roll</b>
<b>RT</b>	<b>WHE</b>	<b>RORO (roll-off, roll-on)</b> <i>X12 Definition: On Own Wheel</i>
<b>SA</b>	<b>SAK</b>	<b>Sack, paper</b> <i>X12 Definition: Sack</i>
<b>SB</b>	<b>SKE</b>	<b>Skid, Box</b> <i>X12 Definition: Skid</i>
<b>SD</b>	<b>SKD</b>	<b>Skid</b>
<b>SH</b>	<b>SHT</b>	<b>Sheet</b> <i>Note: 4/6/2001 CHANGE NOTE: Added per DM 529.</i>
<b>SL</b>	<b>SPL</b>	<b>Spool</b>
<b>TB</b>	<b>TUB</b>	<b>Tub</b>
<b>TC</b>	<b>TKR</b>	<b>Tank Car</b> <i>Note: 4/6/2001 CHANGE NOTE: Code value added per DM 515. DoD value corrected from 'FK' to 'TC' per SDDC guidance.</i>
<b>TK</b>	<b>VEH</b>	<b>Truck</b> <i>X12 Definition: Vehicle</i> <i>Note: 4/6/2001 CHANGE NOTE: Added per DM 529.</i>
<b>TU</b>	<b>TBE</b>	<b>Tube</b>
<b>UX</b>	<b>UNT</b>	<b>Unitized (use RT for unitized cargo on RORO)</b> <i>X12 Definition: Unit</i>
<b>VC</b>	<b>VPK</b>	<b>Van chassis</b> <i>X12 Definition: Van Pack</i>
<b>VE</b>	<b>VEH</b>	<b>Vehicle</b>
<b>VO</b>	<b>VOC *</b>	<b>Vehicles in Operating Condition</b> <i>Note: 7/12/2001 CHANGE NOTE: Code added per DM 503.</i>

<b>VS</b>	<b>TBN</b>	<b>SEAVAN - TOTE</b>
<i>X12 Definition:</i>		<i>Tote Bin</i>
<b>WR</b>	<b>WRP</b>	<b>Wrapped</b>
<b>X1</b>	<b>CNT</b>	<b>Container express shipments</b>
<i>X12 Definition:</i>		<i>Container</i>
<i>Note:</i> 4/6/2001		<i>CHANGE NOTE: Added per DM 529.</i>
<b>YB</b>	<b>CNT</b>	<b>MILVAN</b>
<i>X12 Definition:</i>		<i>Container</i>
<i>Note:</i> 4/6/2001		<i>CHANGE NOTE: Added per DM 529.</i>
<b>ZB</b>	<b>CNT</b>	<b>SEAVAN</b>
<i>X12 Definition:</i>		<i>Container</i>
<i>Note:</i> 4/6/2001		<i>CHANGE NOTE: Added per DM 529.</i>

\* Migration Code

## [203] - HAZMAT - Unit of Measure Code

404 Mapping: 1 680 LH106 355

## [207] - HAZMAT - Unit of Measure Code

404 Mapping: 1 680 LH106 355

DoD Code	X12 Code	DoD Definition
<b>AB</b>	<b>CH</b>	<b>MSCVAN</b>
<i>X12 Definition:</i>		<i>Container</i>
<b>BD</b>	<b>BD</b>	<b>Bundle</b>
<b>BE</b>	<b>BA</b>	<b>Bale</b>
<b>BG</b>	<b>BG</b>	<b>Bag, burlap or cloth</b>
<i>X12 Definition:</i>		<i>Bag</i>
<b>BL</b>	<b>BR</b>	<b>Barrel</b>
<b>BS</b>	<b>BS</b>	<b>Basket</b>
<b>BX</b>	<b>BX</b>	<b>Box</b>
<b>CB</b>	<b>CB</b>	<b>Carboy</b>
<b>CC</b>	<b>CH</b>	<b>HHG containers, wood</b>
<i>X12 Definition:</i>		<i>Container</i>
<b>CL</b>	<b>CX</b>	<b>Coil</b>
<b>CM</b>	<b>CH</b>	<b>Container, MAC-ISO, lt. wgt. 8x8x20 foot air</b>
<i>X12 Definition:</i>		<i>Container</i>
<b>CN</b>	<b>CN</b>	<b>Can</b>
<b>CO</b>	<b>CH</b>	<b>Container, other than CC, CM, CU, CW, MW, MX</b>
<i>X12 Definition:</i>		<i>Container</i>
<b>CR</b>	<b>CP</b>	<b>Crate</b>
<i>Note: 4/6/2001</i>		<i>CHANGE NOTE: CR changed from CW per DM 501.</i>
<b>CS</b>	<b>CA</b>	<b>Case</b>
<b>CT</b>	<b>CT</b>	<b>Carton</b>
<b>CU</b>	<b>CH</b>	<b>Container, Navy cargo transporter</b>
<i>X12 Definition:</i>		<i>Container</i>
<b>CW</b>	<b>CH</b>	<b>Container, commercial highway lift</b>
<i>X12 Definition:</i>		<i>Container</i>
<i>Note: 4/6/2001</i>		<i>CHANGE NOTE: CW changed from CR per DM 501.</i>
<b>CY</b>	<b>CL</b>	<b>Cylinder</b>
<b>DR</b>	<b>DR</b>	<b>Drum</b>
<b>EC</b>	<b>CH</b>	<b>Engine container</b>
<i>X12 Definition:</i>		<i>Container</i>
<b>EN</b>	<b>EV</b>	<b>Envelope</b>
<b>KE</b>	<b>KE</b>	<b>Keg</b>

<b>MW</b>	<b>CH</b>	<b>Multiwall container secured to warehouse plt</b>
<i>X12 Definition:</i>		<i>Container</i>
<b>MX</b>	<b>MX</b>	<b>Mixed</b>
<i>Note: 4/6/2001</i>		<i>CHANGE NOTE: Code added per DM 503.</i>
<b>PC</b>	<b>PC</b>	<b>Piece</b>
<b>PL</b>	<b>PA</b>	<b>Pail</b>
<b>PT</b>	<b>PL</b>	<b>Palletized unit load other than code MW</b>
<i>X12 Definition:</i>		<i>Pallet/Unit Load</i>
<b>RL</b>	<b>RE</b>	<b>Reel</b>
<b>RO</b>	<b>RL</b>	<b>Roll</b>
<b>SA</b>	<b>SJ</b>	<b>Sack, paper</b>
<i>X12 Definition:</i>		<i>Sack</i>
<b>SD</b>	<b>SV</b>	<b>Skid</b>
<b>SH</b>	<b>SH</b>	<b>Sheet</b>
<b>SL</b>	<b>SO</b>	<b>Spool</b>
<b>TK</b>	<b>TC</b>	<b>Truck</b>
<i>X12 Definition:</i>		<i>Truckload</i>
<b>TU</b>	<b>TB</b>	<b>Tube</b>
<b>VE</b>	<b>ZZ</b>	<b>Vehicle</b>
<i>X12 Definition:</i>		<i>Mutually Defined</i>
<b>VO</b>	<b>ZZ</b>	<b>Vehicle in Operating Condition</b>
<i>X12 Definition:</i>		<i>Mutually Defined</i>
<i>Note: 7/12/2001</i>		<i>CHANGE NOTE: Code added per DM 501.</i>
<b>VS</b>	<b>TE</b>	<b>SEAVAN - TOTE</b>
<i>X12 Definition:</i>		<i>Tote</i>
<b>WR</b>	<b>WR</b>	<b>Wrapped</b>
<i>X12 Definition:</i>		<i>Wrap</i>
<i>Note: 7/12/2001</i>		<i>CHANGE NOTE: Code added per DM 501.</i>
<b>X1</b>	<b>CH</b>	<b>CONEX (Gov't owned container)</b>
<i>X12 Definition:</i>		<i>Container</i>
<b>YB</b>	<b>CH</b>	<b>MILVAN</b>
<i>X12 Definition:</i>		<i>Container</i>
<b>ZB</b>	<b>CH</b>	<b>SEAVAN</b>
<i>X12 Definition:</i>		<i>Container</i>

## Section 9.0

# ADDITIONAL INFORMATION FOR THE DEVELOPER

This section provides additional programming information.

## Development History

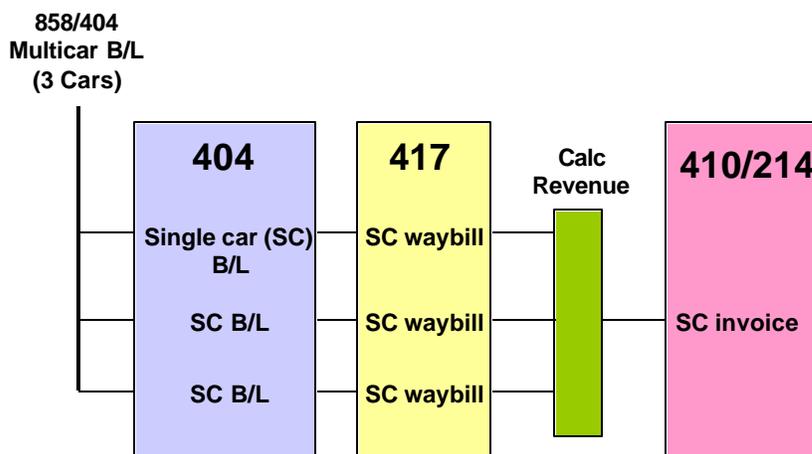
The Management Reform Memorandum (MRM) #15 Rail Working Group met over the months of February to May 2000 to discuss the generation of an Implementation Convention for the Rail 404. This section describes the various issues and problems that arose during these meetings and their proposed resolution.

## Business Practices

### GBL TO RAIL BILL TO SHIP STATUS

Figure 9.1 describes the process information takes from a commercial bill of lading to shipment status. A multi-car bill of lading turns into 404s for each car. The rail carrier will submit a single 410/214 for each 858 shipment.

*Figure 9.1 404 Process Flow Diagram*



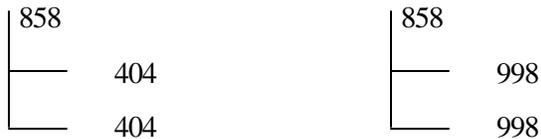
STOP-OFFS

The Government decided that it would no longer allow stop-offs. There will be a rules publication change through JTMO and an ECP written for CFM. Thus, the S1 loop is not necessary in the 404.

CANCELLATION/CORRECTIONS

The Military Surface Deployment and Distribution Command (MSDDC) will cancel or correct existing 404s in the following manner. Each 404 will be cancelled/changed with a 998. MSDDC will send new 404s to the rail carriers. See the Implementation Convention for the 998 for information regarding the structure of the 998. Figure 9.2 shows an example of this procedure.

Figure 9.2 Cancellations/corrections transmissions



IDLER CARS

The rail industry requires that idler car data appear in a separate N7 segment in the same 404 transaction that contains the shipment data. See Section 5 for an example. Required sections for the Idler Car 404 are shown in Table 9.1

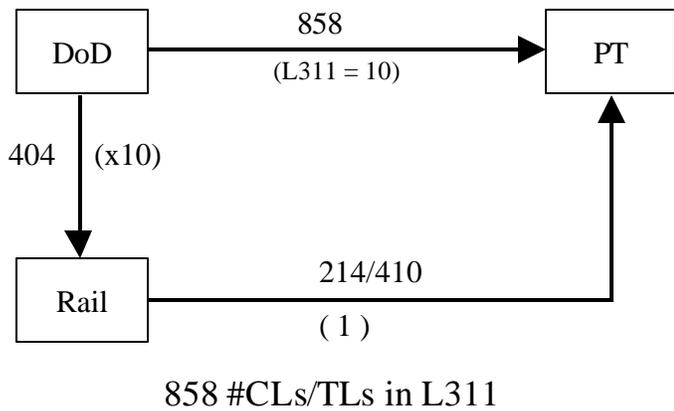
Table 9.1

<b>Segment</b>	<b>Data Required</b>
N701	Initials of idler car
N702	Car number
N711	“ID”
BX01-06	same
BX07	“W”
BNX0	“N”
L503	~ 3742213
L504	“T”

## 214/410 PROCESS

The Department of Defense (DoD) sends the rail carriers a 404 for each rail car. The DoD also sends to PowerTrack one 858 with data element L311 valued at the number of rail cars. The rail carriers send to PowerTrack a 214/410 for each 858. Figure 9.3 describes the relationship between 858, 404s and 214/410s.

*Figure 9.3 Use of L311 by PowerTrack*



If PowerTrack needs a car/container count, it can use the L311 segment in the 858.

## EDI Technical Practices

### SUMMARY MAPPING LOGIC

Figure 9.4 compares the basic schemas of the 858 to the 404. The major difference can be seen in the location of the line item and HAZMAT details.

Figure 9.4 EDI Schemas

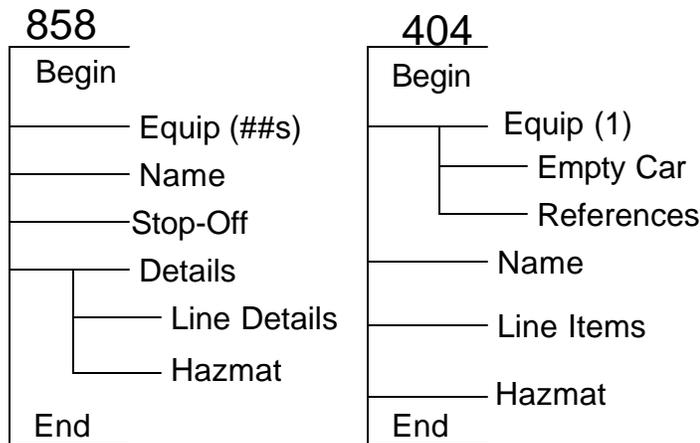
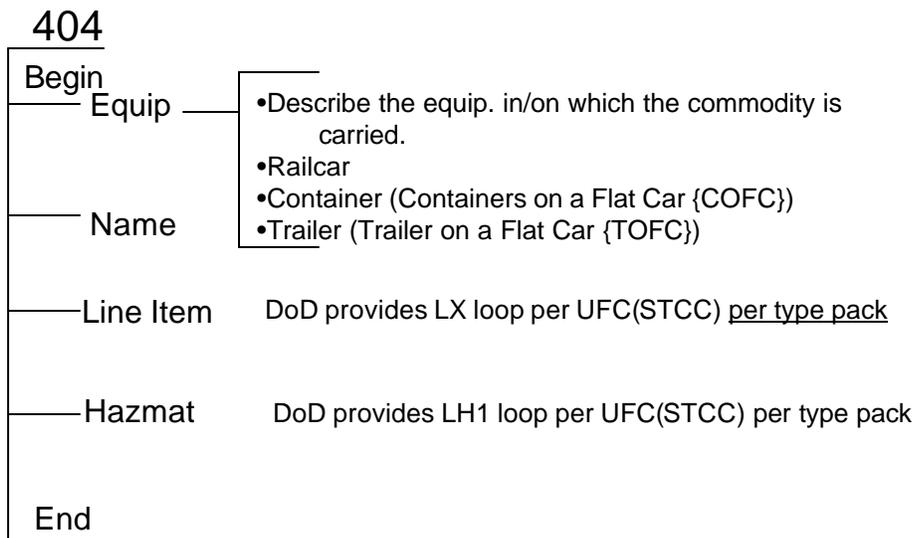


Figure 9.5 describes the summary mapping logic used while preparing this 404 Implementation Convention.

Figure 9.5 Mapping Logic



N7 – EQUIPMENT IDS

Table 9.2 describes the logic that the government will use when describing equipment within the 404.

Table 9.2 – N7 Logic

<b>404</b>	<b>TOFC/COFC</b>	<b>Rail Car</b>
N7 =	Trailer/Container	Rail Car (Furnished)
NA =	Flat Car (Furnished)	-----

LINE ITEMS AND HAZMAT

Hazardous materials are placed within their own loop in the 404. For hazardous materials, the L5 segment within the LX loop is given the value “Mixed Hazardous” and the LH1 loops describe the different hazardous materials. Each hazardous commodity has its own LH1 loop. See Figure 9.6 for an example of the line item coding.

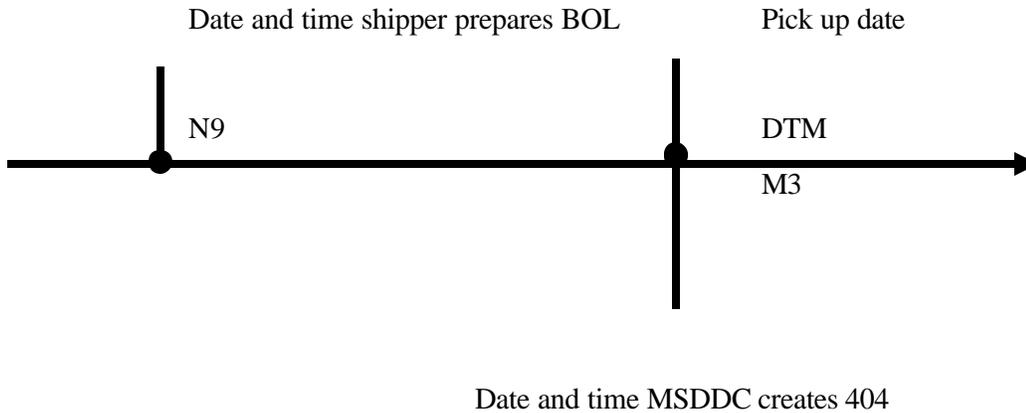
Figure 9.6 – Line Item Example

- Dry Cargo
  - LX }
    - L5 }
      - L0 }
    - LX }
      - L5 }
      - L0 }
- Hazmat
  - LX
    - L5 ~4950130
    - ...
    - LH1 }
      - LH1 }
      - LH1 }

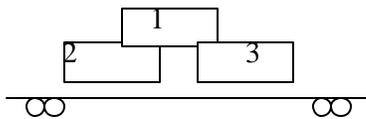
## DATES AND TIMES

The rail carriers use three different dates and two different times. Segment M3 contains the release date and time, which the government will generate from the date and time that MSDDC creates the actual 404. Segment N9 contains the date and time the bill of lading was prepared. MSDDC will generate this information based upon the date and time that the shipper prepares the bill of lading. Finally, segment DTM contains the pick-up date that will be mapped from the DoD pick-up date. Figure 9.7 is another description of the procedures.

Figure 9.7 Dates and Times



## SPECIAL SERVICES



Special services for flat cars will be only listed in the 404 transaction set for Container #1 and not in the 404 for Containers #2 and #3.

## EMPTY HAZARDOUS

If the government is shipping an empty car that previously contained a hazardous substance, they need to report what the last contents were. Including the following information on a 404 can do this:

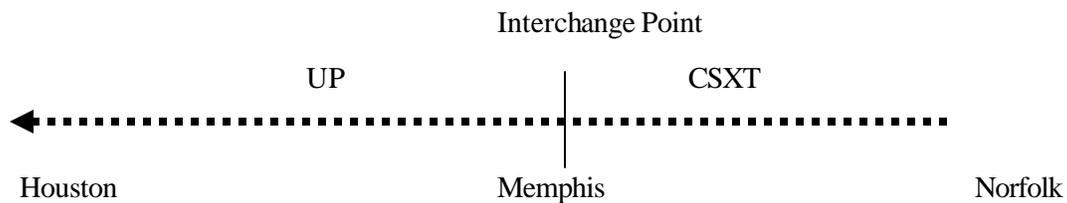
Segment	Position	Code Required
BNX	01	blank
BX	07	E
L5	04	L
LH1	09	R
LH1	03	Last reportable contents

## R2 ROUTING

The rail carriers use the R2 segment to identify carrier and its interchange point. The carrier that carries the shipment to the final destination does not need to identify a city in R203. Examples of intermodal and carload shipments using the R2 segment can be found in Appendix 5 and in figures 9.8 and 9.9 below. The logic for R205 is as follows: if BX02 = "X" and N711 = "CN" or "TL" then generate R205 = {plan # intermodal service code}.



Figure 9.8 R2 Segment for Car Load



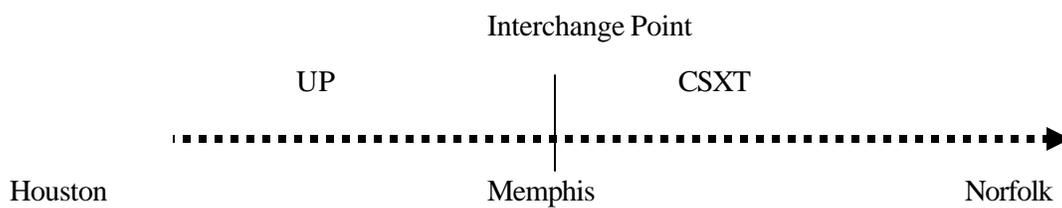
R2 ~ CSXT ~ S ~ MEMPH

R2 ~ UP ~ 1

R2 ~ BNSF ~ D



Figure 9.9 R2 Segment for Intermodal



R2 ~ UP ~ S ~ MEMPH ~~ 30

R2 ~ CSXT ~ 1

## RULE 260

The interchanges stations specified in the R2 routing segment must follow Rule 260. The stations specified in the F9 and D9 segment must contain the full spelling of the station names. A listing of Rule 260 codes may be obtained from the American Association of Railroads at [www.aar.org](http://www.aar.org).

## TENDER/PRICE AUTHORITY

Price Authority is mapped into the PI segment. This segment is located in the L0 loop and is mapped from the 858 L7 segment. Table 9.3 describes the six elements that are necessary for the PI segment.

*Table 9.3*

Segment	Contains
PI01	“CT”
PI02	Tender number – numeric only – 6 digits only
PI03	“TP”
PI05	Origin carrier SCAC code
PI06	Alpha part of tender number – prefix stripped from PI02
PI07	Suffix from tender number

An example is as follows and can also be seen in Appendix 5. PI~CT~500113~TP~~BNSF~BNSF~01.