Department
of
Defense

DoD Transportation Electronic Business (DTEB) Convention

ASC X12 Transaction Set 404 Rail Carrier Shipment Information (Version 005030)

VERSION 3

SEPTEMBER 2017

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of
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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. The copyright on the ASC X12 standards is held by the Data Interchange Standards Association on behalf of ASC X12.

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

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

To view the current convention, go to

https://its.ustranscom.mil/cris/dteb/ic/trans_ics.cfm

[Note: To access publication, you must have an ITS account.]

Who Needs to Use This Document?

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

Why Use a Convention?

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

Contents

Additional sections are included in this document.

- Section 2.0, Control Segments, identifies the specific data requirements for formatting the EDI interchange control segments that envelop all EDI transactions.
- Section 3.0, Standard Implementation Convention, lists the layout of the target transaction set by segment and data element. Identified along side each transaction set data element is the IC Element Matrix index number from Section 4.0.
- Section 4.0, IC Element Matrix, identifies the application data elements trading partners need to exchange. 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.

What's New In Version 3

Added in Version 3

DM Number	DM Description	Approval Date
1257	In the 404, at index 56, request to add: Index 56-02 Data Name: Contact Name Conditional AN 1/60	9/25/2017

Added in Version 2

DM Number	DM Description	Approval Date
1134	At Section 6.0 Application Code Lists for index 36-01 - Accessorial/Protective Service Code add the following X12 approved codes with DOD definitions: Code == X12 Definition == DoD Definition AAM == Additional Material == Materials (AAM) BLK == Blocking and Bracing == Blocking, Bracing and Tie Down Services for Vehicles and Military tractor tanks (BLK) CRD == Crane at Destination == Crane at Destination (495) CRO == Crane at Origin == Crane Operator at Origin (505) DPD == Drayage at Port of Debarkation == Drayage at Destination (DPD) DPE == Drayage at Port of Embarkation == Drayage at Origin (DPE) INL == Inspector Requested for Loading == Inspector Requested for Loading (SUP) LDA == Carrier to Load == Loading by Transportation Service Provider (TSP) LDL == Carrier to Unload == Unloading by Transportation Service Provider (TSP) LFD == Linehaul from Port of Debarkation == Dedicated Switch Engine Crew at Destination (LFD) LMD == Liner Terms at Port of Debarkation == Dedicated Switch Engine at Destination (LMD) LME == Line Terms at Port of Embarkation == Dedicated Switch Engine at Origin (LME) LTE == Linehaul to Port of Embarkation == Dedicated Switch Engine Crew at Origin (LTE) PRD == Portable Ramps at Destination == Portable Ramps at Destination (RAM) PRO == Portable Ramps at Origin == Portable Ramps at Origin (SUC) RDH == Railhead Handling == Technical Assistance for Loading Rail Cars (RDH) TER == Terminal Charge == TSP to Unblock, Unbrace and/or Untie (Rail)	7/8/2014

Added in Version 1

DM Number	DM Description	Approval Date
1113	At index 32-02, N102, DE 93, change DoD recommended attributes min/max from 1/30 to 1/35.	6/10/2013
1112	At indices 16-02, 20-02, 23-02, and 26-02, in the N102, DE 93, change element Min/Max from 1/30 (13/13 at index 26-02) to 1/35.	5/28/2013
1111	Index 40-05, L005, DE 187, change element Min/Max from 2/2 to 1/2.	5/28/2013
1110	At index 55-01, LE01, DE 447, change Min/Max from 1/6 to 1/4.	5/28/2013
1109	Index 36-01, H301, DE 152, change element Min/Max from 3/3 to 2/3.	5/28/2013
1108	Index 30 (N3 Segment) add N302, DE 166 at index 30-02 as Conditional, AN, 1/55, to allow for Additional Street Address. Add element condition note that reads: Use for additional street address information.	5/28/2013

Section 2.0

CONTROL SEGMENTS

Instruction

For detailed description of DoD data conventions for formatting Interchange Control and Functional Group segments for use among Defense Transportation Electronic Business (DTEB) trading partners refer to the DoD Transportation Electronic Business (DTEB) Convention, ASC X12 Control Segments (Version 004010), located at:

https://its.ustranscom.mil/cris/dteb/ic/trans_ics.cfm

[Note: To access publication, you must have an ITS account.]

Commercial Trading Partners and DoD personnel that do not hold an ITS account may view the Convention at:

http://www.transcom.mil/cmd/associated/dteb/

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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 005030).

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 X12 Transaction Set 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.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
Not Used	0200	ZC1	Beginning Segment for Data Correction or Change	O	1		
Must Use	0300	BX	General Shipment Information	O	1		n1
	0400	BNX	Rail Shipment Information	O	1		
M	0500	M3	Release	M	1		
M	0600	N9	Extended Reference Information	M	30		
Not Used	0700	CM	Cargo Manifest	O	2		
Not Used	0800	M1	Insurance	O	1		
Must Use	0900	DTM	Date/Time Reference	O	5		
			LOOP ID - N7			500	
M	1000	N7	Equipment Details	M	1		
Not Used	1010	EM	Equipment Characteristics	O	1		
			LOOP ID - VC			36	
Not Used	1100	VC	Motor Vehicle Control	O	1		
			LOOP ID - N1			2	
Not Used	1120	N1	Party Identification	O	1		
Not Used	1140	N3	Party Location	O	2		
Not Used	1160	N4	Geographic Location	O	1		
Not Used	1180	H3	Special Handling Instructions	O	1		
	1300	M7	Seal Numbers	O	5		
Not Used	1400	N5	Equipment Ordered	O	1		
Not Used	1500	IC	Intermodal Chassis Equipment	O	1		
Not Used	1600	IM	Intermodal Movement Information	O	1		
Not Used	1700	M12	In-bond Identifying Information	O	2		
			LOOP ID - E1			2	
Not Used	1710	E1	Empty Car Disposition - Pended Destination Consignee	O	1		
Not Used	1720	E4	Empty Car Disposition - Pended Destination City	O	1		
Not Used	1730	E5	Empty Car Disposition - Pended Destination Route	O	13		
Not Used	1740	PI	Price Authority Identification	O	1		
Not Used	1750	GA	Canadian Grain Information	O	15		
			LOOP ID - REF			99	
	1770	REF	Reference Information	O	1		
Not Used	1775	N9	Extended Reference Information	O	10		

	1780	N10	Quantity and Description	O	15	
			LOOP ID - N1			5
Not Used	1790	N1	Party Identification	O	1	
Not Used	1800	N3	Party Location	O	1	
Not Used	1820	N4	Geographic Location	O	1	
	1850	NA	Cross-Reference Equipment	O	10	
M	1900	F9	Origin Station	M	1	
M	2000	D9	Destination Station	M	1	
			LOOP ID - N1			15
M	2100	N1	Party Identification	M	1	
Not Used	2150	N2	Additional Name Information	O	2	
Must Use	2200	N3	Party Location	O	2	
Must Use	2300	N4	Geographic Location	O	1	
Not Used	2350	REF	Reference Information	O	2	
	2400	PER	Administrative Communications Contact	O	2	
Not Used	2520	BL	Billing Information	O	12	
			LOOP ID - S1			12
Not Used	4300	S1	Stop-off Name	O	1	
Not Used	4400	S2	Stop-off Address	O	2	
Not Used	4480	S9	Stop-off Station	O	1	
Not Used	4490	N1	Party Identification	O	1	
Not Used	4500	N2	Additional Name Information	O	1	
Not Used	4510	N3	Party Location	O	1	
Not Used	4520	N4	Geographic Location	O	1	
Not Used	4530	PER	Administrative Communications Contact	O	1	
M	4600	R2	Route Information	M	13	
Not Used	4800	R9	Route Code Identification	O	1	
			LOOP ID - E1			2
Not Used	4900	E1	Empty Car Disposition - Pended Destination Consignee	O	1	
Not Used	5000	E4	Empty Car Disposition - Pended Destination City	O	1	
Not Used	5100	E5	Empty Car Disposition - Pended Destination Route	O	13	
Not Used	5110	PI	Price Authority Identification	O	1	
	5200	H3	Special Handling Instructions	O	20	
	5300	PS	Protective Service Instructions	O	5	
			LOOP ID - LX			25
M	5400	LX	Transaction Set Line Number	M	1	
M	5500	L5	Description, Marks and Numbers	M	15	
			LOOP ID - L0			25
Must Use	5700	L0	Line Item - Quantity and Weight	O	1	
Not Used	5750	MEA	Measurements	O	3	
Not Used	5800	L1	Rate and Charges	O	10	
			LOOP ID - PI			30
Must Use	5900	PI	Price Authority Identification	O	1	
Not Used	5920	CD	Shipment Conditions	O	10	
Not Used	6000	X1	Export License	O	6	
			LOOP ID - T1			64
Not Used	6100	T1	Transit Inbound Origin	O	1	
Not Used	6200	T2	Transit Inbound Lading	O	30	

Not Used	6300	T3	Transit Inbound Route	O	12		
Not Used	6400	T6	Transit Inbound Rates	O	1		
Not Used	6500	T8	Free-form Transit Data	O	99		
Not Used	6600	L3	Total Weight and Charges	O	1		
	6700	LS	Loop Header	O	1		
			LOOP ID - LH1			1000	
	6800	LH1	Hazardous Identification Information	O	1		
	6900	LH2	Hazardous Classification Information	O	4		n2
	7000	LH3	Hazardous Material Shipping Name Information	O	10		
	7100	LFH	Free-form Hazardous Material Information	O	20		
Not Used	7200	LEP	EPA Required Data	O	3		
	7300	LH4	Canadian Dangerous Requirements	O	4		
	7400	LHT	Transborder Hazardous Requirements	O	3		
	7500	LHR	Hazardous Material Identifying Reference Numbers	O	5		
	7550	PER	Administrative Communications Contact	O	5		
			LOOP ID - N1			10	
Not Used	7560	N1	Party Identification	O	1		
Not Used	7570	N3	Party Location	O	2		
Not Used	7580	N4	Geographic Location	O	1		
Not Used	7590	PER	Administrative Communications Contact	O	2		
	7600	LE	Loop Trailer	O	1		
	7700	PER	Administrative Communications Contact	O	5		
Not Used	7800	LH2	Hazardous Classification Information	O	6		n3
Not Used	7900	LHR	Hazardous Material Identifying Reference Numbers	O	1		
	8000	LH6	Hazardous Certification	O	5		
Not Used	8100	XH	Pro Forma - B13 Information	O	1		
Not Used	8200	X7	Customs Information	O	10		
M	8400	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: 0100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes:
1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.
Comments:
Business Rules: Variable Name: STST
Notes: [1] ST SEGMENT - Rail Carrier Information Header

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**ST01**	**143**	**Transaction Set Identifier Code** Code uniquely identifying a Transaction Set [1-01] Transaction Set Identifier Code 404 Rail Carrier Shipment Information [1-01] Rail Carrier Shipment Information	**M**	**1**	**ID 3/3**
M	**ST02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set [1-02] Transaction Set Control Number 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**	**1**	**AN 4/9**
X	**ST03**	**1705**	**Implementation Convention Reference** Reference assigned to identify Implementation Convention	**O**	**1**	**AN 1/35**

Segment: **BX** **General Shipment Information**
Position: 0300
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To transmit identification numbers and other basic shipment data
Syntax Notes:
Semantic Notes:
Comments:
Notes: [2] BX SEGMENT - General Shipment Information

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**BX01**	**353**	**Transaction Set Purpose Code** Code identifying purpose of transaction set [2-01] Transaction Set Purpose Code Rails cannot accept code value '04' indicating 'Change' after lift. 00 Original [2-01] Original	**M**	**1**	**ID 2/2**
M	**BX02**	**91**	**Transportation Method/Type Code** Code specifying the method or type of transportation for the shipment [2-02] 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 [2-02] Rail X Intermodal (Piggyback) [2-02] Intermodal (Piggyback)	**M**	**1**	**ID 1/2**
M	**BX03**	**146**	**Shipment Method of Payment** Code identifying payment terms for transportation charges [2-03] Shipment Method of Payment PP Prepaid (by Seller) [2-03] Prepaid (by Seller)	**M**	**1**	**ID 2/2**
X	**BX04**	**145**	**Shipment Identification Number** 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)	**O**	**1**	**AN 1/30**
>>	**BX05**	**140**	**Standard Carrier Alpha Code** Standard Carrier Alpha Code [2-05] Standard Carrier Alpha Code Use SCAC of origin carrier. SCAC should be validated against the National Motor Freight Transportation Association (NMFTA) SCAC reference file.	**O**	**1**	**ID 2/4**
>>	**BX06**	**188**	**Weight Unit Code** Code specifying the weight unit [2-06] Weight Unit Code This element qualifies all weights in the transaction set. L Pounds [2-06] Pounds	**O**	**1**	**ID 1/1**

>>	**BX07**	**147**	**Shipment Qualifier** Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time [2-07] Shipment Qualifier	**O**	**1**	**ID 1/1**
			B — Bill of Lading for Individual Shipment [2-07] Bill of Lading for Individual Shipment			
			E — Empty Equipment Billing (Non-Revenue) [2-07] Empty Equipment Billing (Non-Revenue)			
X	**BX08**	**226**	**Section Seven Code** Code indicating applicability of section seven option (if not transmitted assume not in effect) Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**
X	**BX09**	**195**	**Capacity Load Code** Code specifying type of capacity load Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**
X	**BX10**	**160**	**Status Report Request Code** Code used by the shipper to specify that an automatic status report is requested when the shipment is delivered Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**
	BX11	**501**	**Customs Documentation Handling Code** Code defining method of handling for documentation [2-11] Customs Documentation Handling Code ELEMENT CONDITION: Required for all shipments to/from Canada.	**O**	**1**	**ID 2/2**
			10 — Proforma Entered/B13 Not Required U.S. Customs Proforma information is included in this transmission and Canadian Customs B13 information is not required [2-11] Proforma Entered/B13 Not Required			
			14 — Proforma and B13 Entered [2-11] Proforma and B13 Entered			
			15 — Proforma Entered and B13 with Car [2-11] Proforma Entered and B13 with Car			
			16 — Proforma Entered and B13 by Summary Reporting [2-11] Proforma Entered and B13 by Summary Reporting			
			17 — Proforma Entered with B13 with Broker Port of Exit [2-11] Proforma Entered with B13 with Broker Port of Exit			
			20 — Proforma with Car/B13 Not Required U.S. Customs Proforma information is on paper moving with the car and Canadian Customs B13 information is not required [2-11] Proforma with Car/B13 Not Required			
			24 — Proforma with Car and B13 Entered [2-11] Proforma with Car and B13 Entered			
			25 — Proforma and B13 with Car [2-11] Proforma and B13 with Car			
			26 — Proforma with Car and B13 by Summary Reporting [2-11] Proforma with Car and B13 by Summary Reporting			
			27 — Proforma with Car and B13 with Broker Port of Exit [2-11] Proforma with Car and B13 with Broker Port of Exit			

			30	Proforma with Broker Port of Exit/B13 Not Required U.S. Customs Proforma information is on paper with the Broker at the Port of Exit and Canadian Customs B13 information is not required [2-11] Proforma with Broker Port of Exit/B13 Not Required			
			34	Proforma with Broker Port of Exit and B13 Entered [2-11] Proforma with Broker Port of Exit and B13 Entered			
			35	Proforma with Broker Port of Exit and B13 with Car [2-11] Proforma with Broker Port of Exit and B13 with Car			
			36	Proforma with Broker Port of Exit B13 by Summary Reporting [2-11] Proforma with Broker Port of Exit B13 by Summary Reporting			
			37	Proforma and B13 with Broker Port of Exit [2-11] Proforma and B13 with Broker Port of Exit			
			40	Customs Cleared [2-11] Customs Cleared			
			90	Customs A 4 + [2-11] Customs A 4 +			
X	**BX12**	**199**	**Confidential Billing Request Code** 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 005030 Data Element Dictionary for acceptable code values.		**O**	**1**	**ID 1/1**
	BX13	**714**	**Goods and Services Tax Reason Code** Code required to identify the reason for a 0% rated goods and services tax [2-13] Goods and Services Tax Reason Code ELEMENT CONDITION: Required for all shipments to/from Canada. Use code value '1' for inbound shipments and code value '2' for outbound shipments.		**O**	**1**	**ID 1/1**
			1	Inbound Goods and Services Tax Declaration [2-13] Inbound Goods and Services Tax Declaration			
			2	Outbound Goods and Services Tax Declaration [2-13] Outbound Goods and Services Tax Declaration			
X	**BX14**	**346**	**Application Type** Code identifying an application Refer to 005030 Data Element Dictionary for acceptable code values.		**O**	**1**	**ID 2/2**

Segment: **BNX** **Rail Shipment Information**
Position: 0400
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit rail-specific shipment data
Syntax Notes:
Semantic Notes:
Comments:
Notes: [3] BNX SEGMENT - Rail Shipment Information
SEGMENT CONDITION: BNX segment is mandatory for loaded revenue shipments.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
>>	**BNX01**	**460**	**Shipment Weight Code** Code indicating the way by which weights are obtained for a particular shipment [3-01] Shipment Weight Code A Shipper's Weight Agreement [3-01] Shipper's Weight Agreement	**O**	**1**	**ID 1/1**
X	**BNX02**	**129**	**Referenced Pattern Identifier** 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	**O**	**1**	**AN 1/13**
>>	**BNX03**	**11**	**Billing Code** Code indicating type of Bill [3-03] Billing Code S Single Shipment Billing [3-03] Single Shipment Billing	**O**	**1**	**ID 1/1**
X	**BNX04**	**223**	**Repetitive Pattern Number** RWC number composed of a four-digit number with a fifth digit being a modulus 10 check digit	**O**	**1**	**N0 5/5**

Segment: **M3** **Release**
Position: 0500
Loop:
Level: Heading
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: [4] 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. Des.	Data Element	Name	Attributes		
M	**M301**	**132**	**Release Code** Code signifying whether or not the shipment information transaction set includes instructions for pickup 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) [4-01] Release Code R — Released with Billing Data [4-01] Released with Billing Data	**M**	**1**	**ID 1/1**
>>	**M302**	**373**	**Date** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year [4-02] Date 404 Prepared This is the date that the 404 transaction is generated.	**X**	**1**	**DT 8/8**
>>	**M303**	**337**	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) [4-03] Time 404 Prepared This is the time that the 404 transaction is generated.	**X**	**1**	**TM 4/8**
>>	**M304**	**623**	**Time Code** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow [4-04] Time Code ET — Eastern Time [4-04] Eastern Time	**O**	**1**	**ID 2/2**

Segment: **N9** **Extended Reference Information**
Position: 0600
Loop:
Level: Heading
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: [5] 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

	Ref. Des.	Data Element	Name		Attributes		
M	**N901**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification [5-01] B/L Qualifier BM Bill of Lading Number [5-01] Bill of Lading Number	**M**	**1**	**ID 2/3**	
>>	**N902**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [5-02] Bill of Lading Number Enter bill of lading number here.	**X**	**1**	**AN 1/80**	
X	**N903**	**369**	**Free-form Description** Free-form descriptive text	**X**	**1**	**AN 1/45**	
>>	**N904**	**373**	**Date** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year [5-04] Bill of Lading Prepared Date This is the date the shipper creates the bill of lading.	**O**	**1**	**DT 8/8**	
>>	**N905**	**337**	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) [5-05] Time This is the time that the 404 transaction is generated.	**X**	**1**	**TM 4/8**	
>>	**N906**	**623**	**Time Code** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow [5-06] Time Code ET Eastern Time [5-06] Eastern Time	**O**	**1**	**ID 2/2**	
X	**N907**	**C040**	**Reference Identifier** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	**O**	**1**		

X	**C04001**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 005030 Data Element Dictionary for acceptable code values.	**M**	**ID 2/3**
X	**C04002**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**M**	**AN 1/80**
X	**C04003**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**ID 2/3**
X	**C04004**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN 1/80**
X	**C04005**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**ID 2/3**
X	**C04006**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**AN 1/80**

Segment: **DTM** **Date/Time Reference**
Position: 0900
Loop:
Level: Heading
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: [6] DTM SEGMENT - Desired/Required Delivery
[7] DTM SEGMENT - Carrier's Pickup
SEGMENT CONDITION: Use when date rail carriers are to pick up rail cars applies.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**DTM01**	**374**	**Date/Time Qualifier** Code specifying type of date or time, or both date and time [6-01] Desired/Required Delivery Date Qualifier [7-01] 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' 002 Delivery Requested [6-01] Delivery Requested Use '002' to denote Required Delivery Date 017 Estimated Delivery [6-01] Estimated Delivery Use '017' to denote Deliver on this Date 196 Start [7-01] Start Use '196' to denote Actual Pickup Date	**M**	**1**	**ID 3/3**
>>	**DTM02**	**373**	**Date** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year [6-02] Desired/Required Delivery Date [7-02] 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**	**1**	**DT 8/8**
X	**DTM03**	**337**	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	**X**	**1**	**TM 4/8**
X	**DTM04**	**623**	**Time Code** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 2/2**
X	**DTM05**	**1250**	**Date Time Period Format Qualifier** Code indicating the date format, time format, or date and time format Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 2/3**
X	**DTM06**	**1251**	**Date Time Period** Expression of a date, a time, or range of dates, times or dates and times	**X**	**1**	**AN 1/35**

Segment: **N7** **Equipment Details**
Position: 1000
Loop: N7 Mandatory
Level: Heading
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: [8] 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.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
>>	**N701**	**206**	**Equipment Initial** Prefix or alphabetic part of an equipment unit's identifying number [8-01] Primary Equipment Initial	**O**	**1**	**AN 1/4**
M	**N702**	**207**	**Equipment Number** Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) [8-02] Primary Equipment Number	**M**	**1**	**AN 1/15**
>>	**N703**	**81**	**Weight** Numeric value of weight [8-03] 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.For idler cars, enter value zero (0). (This N703 should match the sum of the weight values in all elements L004 for this transaction.)	**X**	**1**	**R 1/10**
>>	**N704**	**187**	**Weight Qualifier** Code defining the type of weight [8-04] Weight Qualifier N Actual Net Weight [8-04] Actual Net Weight Use 'N' to denote Net Weight	**X**	**1**	**ID 1/2**
X	**N705**	**167**	**Tare Weight** Weight of the equipment	**X**	**1**	**N0 3/8**
X	**N706**	**232**	**Weight Allowance** Allowance made for increased weight due to such factors as snow	**O**	**1**	**N0 2/6**
X	**N707**	**205**	**Dunnage** Weight of material used to protect lading (even bracings, false floors, etc.)	**O**	**1**	**N0 1/6**
X	**N708**	**183**	**Volume** Value of volumetric measure	**X**	**1**	**R 1/8**
X	**N709**	**184**	**Volume Unit Qualifier** Code identifying the volume unit Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 1/1**

X	**N710**	**102**	**Ownership Code** Code indicating the relationship of equipment to carrier or ownership of equipment Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**
>>	**N711**	**40**	**Equipment Description Code** Code identifying type of equipment used for shipment [8-11] Primary Equipment Description Code Code identifying type of equipment used for shipment. CN Container [8-11] Container ID Idler Car [8-11] Idler Car RR Rail Car [8-11] Rail Car TL Trailer (not otherwise specified) [8-11] Trailer (not otherwise specified)	**O**	**1**	**ID 2/2**
X	**N712**	**140**	**Standard Carrier Alpha Code** Standard Carrier Alpha Code	**O**	**1**	**ID 2/4**
X	**N713**	**319**	**Temperature Control** Free-form abbreviation of temperature range or flash-point temperature	**O**	**1**	**AN 3/6**
X	**N714**	**219**	**Position** Relative position of shipment in car, trailer, or container (mutually defined)	**O**	**1**	**AN 1/3**
	N715	**567**	**Equipment Length** Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11) [8-15] Primary Equipment Length ELEMENT CONDITION: Outside length; required for intermodal equipment.	**O**	**1**	**N0 4/5**
X	**N716**	**571**	**Tare Qualifier Code** Code identifying the type of tare Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 1/1**
X	**N717**	**188**	**Weight Unit Code** Code specifying the weight unit Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**
X	**N718**	**761**	**Equipment Number Check Digit** Number which designates the check digit applied to a piece of equipment	**O**	**1**	**N0 1/1**
X	**N719**	**56**	**Type of Service Code** Code specifying extent of transportation service requested Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 2/2**
X	**N720**	**65**	**Height** Vertical dimension of an object measured when the object is in the upright position	**O**	**1**	**R 1/8**
X	**N721**	**189**	**Width** Shorter measurement of the two horizontal dimensions measured with the object in the upright position	**O**	**1**	**R 1/8**
X	**N722**	**24**	**Equipment Type** Code identifying equipment type	**O**	**1**	**ID 4/4**
X	**N723**	**140**	**Standard Carrier Alpha Code** Standard Carrier Alpha Code	**O**	**1**	**ID 2/4**
X	**N724**	**301**	**Car Type Code** Code specifying type of rail car or intermodal equipment type and its general characteristics	**O**	**1**	**ID 1/4**

Segment: **M7** **Seal Numbers**
Position: 1300
Loop: N7 Mandatory
Level: Heading
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: [9] M7 SEGMENT - Seal Numbers
SEGMENT CONDITION: Include if seals are applied to the primary equipment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**M701**	**225**	**Seal Number** Unique number on seal used to close a shipment [9-01] Seal Number Carry additional seal numbers in M702, M703, and M704.	**M**	**1**	**AN 2/15**
	M702	**225**	**Seal Number** Unique number on seal used to close a shipment [9-02] Seal Number ELEMENT CONDITION: Use for additional seal numbers.	**O**	**1**	**AN 2/15**
	M703	**225**	**Seal Number** Unique number on seal used to close a shipment [9-03] Seal Number ELEMENT CONDITION: Use for additional seal numbers.	**O**	**1**	**AN 2/15**
	M704	**225**	**Seal Number** Unique number on seal used to close a shipment [9-04] Seal Number ELEMENT CONDITION: Use for additional seal numbers.	**O**	**1**	**AN 2/15**
X	**M705**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 2/3**

Segment: **REF** **Reference Information**
Position: 1770
Loop: REF Optional
Level: Heading
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: [10] REF SEGMENT - Intermodal/International Shipments
LOOP CONDITION: REF loop is required for intermodal/International shipments.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**REF01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification [10-01] Reference Identification Qualifier If code value 'OB' is used, N10 segment is required. OB — Ocean Bill of Lading [10-01] Ocean Bill of Lading PN — Permit Number [10-01] Permit Number ZZ — Mutually Defined [10-01] Mutually Defined Use 'ZZ' to denote Certificate of Transportation Number	**M**	**1**	**ID 2/3**
>>	**REF02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [10-02] Reference Identification	**X**	**1**	**AN 1/80**
X	**REF03**	**352**	**Description** A free-form description to clarify the related data elements and their content	**X**	**1**	**AN 1/80**
X	**REF04**	**C040**	**Reference Identifier** To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	**O**	**1**	
X	**C04001**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 005030 Data Element Dictionary for acceptable code values.	**M**		**ID 2/3**
X	**C04002**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**M**		**AN 1/80**
X	**C04003**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 005030 Data Element Dictionary for acceptable code values.	**X**		**ID 2/3**
X	**C04004**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**		**AN 1/80**
X	**C04005**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 005030 Data Element Dictionary for acceptable code values.	**X**		**ID 2/3**
X	**C04006**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**		**AN 1/80**

Segment: **N10** **Quantity and Description**
Position: 1780
Loop: REF Optional
Level: Heading
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 N1007 or N1008 is present, then the other is required.
3 If N1013 is present, then N1006 is required.
Semantic Notes:
1 If N1013 is not used, the default currency of N1006 is USD (US Dollar).
2 N1009 is the U.S. Customs bar code number for line release.
3 N1011 is the country of the manufacturer of the goods.
4 N1012 is the country of the final destination of the goods.
5 N1013 is the currency of the value of N1006.
Comments:
Notes: [11] 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

Ref. Des.	Data Element	Name		Attributes	
N1001	**380**	**Quantity** Numeric value of quantity [11-01] Quantity	**O**	**1**	**R 1/15**
N1002	**369**	**Free-form Description** Free-form descriptive text [11-02] Free-form Description	**O**	**1**	**AN 1/45**
N1003	**87**	**Marks and Numbers** Marks and numbers used to identify a shipment or parts of a shipment [11-03] Marks and Numbers	**O**	**1**	**AN 1/48**
N1004	**23**	**Commodity Code Qualifier** Code identifying the commodity coding system used for Commodity Code [11-04] Commodity Code Qualifier ELEMENT CONDITION: Required if N1005 is used. J Harmonized System-Based Schedule B Classification of exported merchandise [11-04] Harmonized System-Based Schedule B	**X**	**1**	**ID 1/1**
N1005	**22**	**Commodity Code** Code describing a commodity or group of commodities [11-05] Commodity Code	**X**	**1**	**AN 1/30**
N1006	**602**	**Customs Shipment Value** Customs value in whole dollars [11-06] Customs Shipment Value	**X**	**1**	**AN 2/8**
N1007	**188**	**Weight Unit Code** Code specifying the weight unit [11-07] Weight Unit Code ELEMENT CONDITION: Required if N1008 is used. E Metric Ton [11-07] Metric Ton G Grams [11-07] Grams	**X**	**1**	**ID 1/1**

		K	Kilograms		
			[11-07] Kilograms		
		L	Pounds		
			[11-07] Pounds		
		M	Measurement Ton		
			[11-07] Measurement Ton		
		O	Ounces		
			[11-07] Ounces		
		S	Short Ton		
			[11-07] Short Ton		
		T	Long Ton		
			[11-07] Long Ton		
N1008	**81**	**Weight** Numeric value of weight [11-08] Weight	**X**	**1**	**R 1/10**
N1009	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [11-09] Reference Identification	**O**	**1**	**AN 1/80**
N1010	**599**	**Manifest Unit Code** Code defining the smallest package unit for the bill of lading [11-10] Manifest Unit Code	**O**	**1**	**ID 1/3**
N1011	**26**	**Country Code** Code identifying the country [11-11] Country Code Country of origin of goods. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	**O**	**1**	**ID 2/3**
N1012	**26**	**Country Code** Code identifying the country [11-12] Country Code Country of final destination of the goods. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	**O**	**1**	**ID 2/3**
N1013	**100**	**Currency Code** Code (Standard ISO) for country in whose currency the charges are specified [11-13] Currency Code SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	**O**	**1**	**ID 3/3**

Segment: **NA** **Cross-Reference Equipment**
Position: 1850
Loop:
Level: Heading
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.
3 NA12 is the check digit for the equipment number in NA04.
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:
[12] 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.
[13] NA SEGMENT - Container
SEGMENT CONDITION: Segment required when shipment employs a container.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
X	**NA01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 2/3**
X	**NA02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	**X**	**1**	**AN 1/80**
M	**NA03**	**206**	**Equipment Initial** Prefix or alphabetic part of an equipment unit's identifying number [12-03] Secondary Equipment Initial [13-03] Container Initials Put in initials.	**M**	**1**	**AN 1/4**
M	**NA04**	**207**	**Equipment Number** Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) [12-04] Secondary Equipment Number [13-04] Container Serial Number	**M**	**1**	**AN 1/15**
>>	**NA05**	**231**	**Cross Reference Type Code** Code defining relationship of equipment to equipment cross-referenced [12-05] Cross Reference Type Code [13-05] Cross Reference Type Code F Conveying Flat Car [12-05] Conveying Flat Car T Trailer [13-05] Trailer	**O**	**1**	**ID 1/1**
X	**NA06**	**219**	**Position** Relative position of shipment in car, trailer, or container (mutually defined)	**O**	**1**	**AN 1/3**
X	**NA07**	**140**	**Standard Carrier Alpha Code** Standard Carrier Alpha Code	**O**	**1**	**ID 2/4**

X	**NA08**	**567**	**Equipment Length** Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	**O**	**1**	**N0 4/5**
X	**NA09**	**140**	**Standard Carrier Alpha Code** Standard Carrier Alpha Code	**O**	**1**	**ID 2/4**
X	**NA10**	**845**	**Chassis Type** Code identifying type of chassis Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 2/2**
X	**NA11**	**1073**	**Yes/No Condition or Response Code** Code indicating a Yes or No condition or response Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**
X	**NA12**	**761**	**Equipment Number Check Digit** Number which designates the check digit applied to a piece of equipment	**O**	**1**	**N0 1/1**

Segment: **F9** **Origin Station**
Position: 1900
Loop:
Level: Heading
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:
[14] 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. Des.	Data Element	Name	Attributes		
X	**F901**	**573**	**Freight Station Accounting Code** Code (Freight Station Accounting) (AAR Managed Code for Locations)	**O**	**1**	**ID 1/5**
M	**F902**	**19**	**City Name** Free-form text for city name [14-02] City Name	**M**	**1**	**AN 2/30**
M	**F903**	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency [14-03] State or Province Code Also use for province if shipment is Canadian.	**M**	**1**	**ID 2/2**
X	**F904**	**26**	**Country Code** Code identifying the country	**O**	**1**	**ID 2/3**
X	**F905**	**573**	**Freight Station Accounting Code** Code (Freight Station Accounting) (AAR Managed Code for Locations)	**O**	**1**	**ID 1/5**
X	**F906**	**19**	**City Name** Free-form text for city name	**O**	**1**	**AN 2/30**
X	**F907**	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	**O**	**1**	**ID 2/2**
	F908	**154**	**Standard Point Location Code** Code (Standard Point Location) defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city [14-08] Standard Point Location Code Official code assigned to a city or point (for rate making purposes) within a city.	**O**	**1**	**ID 6/9**
X	**F909**	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O**	**1**	**ID 3/15**
X	**F910**	**154**	**Standard Point Location Code** Code (Standard Point Location) defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	**O**	**1**	**ID 6/9**

X	**F911**	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O**	**1**	**ID 3/15**
X	**F912**	**26**	**Country Code** Code identifying the country	**O**	**1**	**ID 2/3**

Segment: **D9** **Destination Station**
Position: 2000
Loop:
Level: Heading
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: [15] 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. Des.	Data Element	Name	Attributes		
X	**D901**	**573**	**Freight Station Accounting Code** Code (Freight Station Accounting) (AAR Managed Code for Locations)	**O**	**1**	**ID 1/5**
M	**D902**	**19**	**City Name** Free-form text for city name [15-02] City Name	**M**	**1**	**AN 2/30**
M	**D903**	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency [15-03] State or Province Code Also use for province if shipment is Canadian.	**M**	**1**	**ID 2/2**
X	**D904**	**26**	**Country Code** Code identifying the country	**O**	**1**	**ID 2/3**
X	**D905**	**573**	**Freight Station Accounting Code** Code (Freight Station Accounting) (AAR Managed Code for Locations)	**O**	**1**	**ID 1/5**
X	**D906**	**19**	**City Name** Free-form text for city name	**O**	**1**	**AN 2/30**
X	**D907**	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	**O**	**1**	**ID 2/2**
	D908	**154**	**Standard Point Location Code** Code (Standard Point Location) defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city [15-08] Standard Point Location Code	**O**	**1**	**ID 6/9**
X	**D909**	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O**	**1**	**ID 3/15**
X	**D910**	**154**	**Standard Point Location Code** Code (Standard Point Location) defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	**O**	**1**	**ID 6/9**

X	**D911**	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	**O**	**1**	**ID 3/15**
X	**D912**	**26**	**Country Code** Code identifying the country	**O**	**1**	**ID 2/3**

Segment: **N1** **Party Identification**
Position: 2100
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes:
1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments:
1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.
Notes:
[16] N1 SEGMENT - Destination (C1)
Use segment to convey carrier's delivery location information.
[20] N1 SEGMENT - Origin (SF)
Use segment to convey carrier's pickup location information.
[23] N1 SEGMENT - Consignee (CN)
Use segment to identify the installation transportation office responsible for the shipment at the final destination.
[26] N1 SEGMENT - Shipper (SH)
Use segment to convey installation transportation office responsible for the shipment at origin information.
[29] 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.
[32] N1 SEGMENT - Customs Broker (CB)
LOOP CONDITION: Required for all shipments to/from Canada.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**N101**	**98**	**Entity Identifier Code**	**M**	**1 ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual		
			[16-01] 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'. [20-01] Origin Name (SF) Qualifier This qualifier identifies the name and address information of the carrier's pickup location. [23-01] Consignee (CN) Name Qualifier This qualifier identifies the installation transportation office responsible for the shipment at the final destination. [26-01] Shipper (SH) Qualifier This qualifier identifies the installation transportation office responsible for the shipment at origin. [29-01] Bill Charges To (PF) Qualifier Government will convert code value 'PO' to code value 'PF'. [32-01] Customs Broker Identifier (CB) Qualifier		
			C1	In Care Of Party no. 1	
				[16-01] In Care Of Party no. 1	
			CB	Customs Broker	
				[32-01] Customs Broker	
			CN	Consignee	
				[23-01] Consignee	
			PF	Party to Receive Freight Bill	
				[29-01] Party to Receive Freight Bill	

			SF	Ship From [20-01] Ship From		
			SH	Shipper [26-01] Shipper		
>>	**N102**	**93**	**Name** Free-form name [16-02] Destination Name (C1) Enter value 'US Government' unless shipment is to/from a US Government contractor. [20-02] Origin Name (SF) Enter value 'US Government' unless shipment is to/from a US Government contractor. [23-02] Consignee (CN) Name [26-02] Shipper Name (SH) [29-02] Bill Charges To (PF) USBank [32-02] Customs Broker Name (CB)	**X**	**1**	**AN 1/60**
X	**N103**	**66**	**Identification Code Qualifier** Code designating the system/method of code structure used for Identification Code (67) Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 1/2**
X	**N104**	**67**	**Identification Code** Code identifying a party or other code	**X**	**1**	**AN 2/80**
X	**N105**	**706**	**Entity Relationship Code** Code describing entity relationship Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 2/2**
X	**N106**	**98**	**Entity Identifier Code** Code identifying an organizational entity, a physical location, property or an individual Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 2/3**

Segment: **N3** **Party Location**
Position: 2200
Loop: N1 Mandatory
Level: Heading
Usage: Optional (Must Use)
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes: [17] N3 SEGMENT - Destination (C1)
SEGMENT CONDITION: Use when destination address information applies.
[21] N3 SEGMENT - Origin (SF)
SEGMENT CONDITION: Use when pick-up street address information applies.
[24] N3 SEGMENT - Consignee (CN)
SEGMENT CONDITION: Use when street address for installation transportation office responsible for the shipment at the final destination applies.
[27] N3 SEGMENT - Shipper (SH)
SEGMENT CONDITION: Use when street address for installation transportation office responsible for the shipment at origin applies.
[30] N3 SEGMENT - Bill Charges To (PF)
[33] N3 SEGMENT - Customs Broker (CB)
SEGMENT CONDITION: Required for all shipments to/from Canada.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**N301**	**166**	**Address Information** Address information [17-01] Street (C1) [21-01] Street (SF) [24-01] Street (CN) [27-01] Street (SH) [30-01] Street Address (PF) [33-01] Street Address (CB)	**M**	**1**	**AN 1/55**
	N302	**166**	**Address Information** Address information [17-02] Street (C1) ELEMENT CONDITION: Use for additional street address information. [21-02] Street (SF) ELEMENT CONDITION: Use for additional street address information. [24-02] Street (CN) ELEMENT CONDITION: Use for additional street address information. [27-02] Additional Street (SH) [30-02] Additional Street Address (PF) ELEMENT CONDITION: Use for additional street address information. [33-02] Street Address (CB) ELEMENT CONDITION: Use for additional street address information.	**O**	**1**	**AN 1/55**

Segment: **N4** **Geographic Location**
Position: 2300
Loop: N1 Mandatory
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes:
1 Only one of N402 or N407 may be present.
2 If N406 is present, then N405 is required.
3 If N407 is present, then N404 is required.
Semantic Notes:
Comments:
1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
Notes:
[18] N4 SEGMENT - Destination (C1)
[22] N4 SEGMENT - Origin (SF)
[25] 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.
[28] 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.
[31] N4 SEGMENT - Bill Charges To (PF)
[34] N4 SEGMENT - Customs Broker (CB)
SEGMENT CONDITION: Required for all shipments to/from Canada.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
>>	**N401**	**19**	**City Name** Free-form text for city name [18-01] City (C1) [22-01] City (SF) [25-01] City (CN) [28-01] City (SH) [31-01] City (PF) [34-01] City (CB)	**O**	**1 AN 2/30**
>>	**N402**	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency [18-02] Province or State Code (C1) If shipment is Canadian, use for province. [22-02] Province or State (SF) If shipment is Canadian, use for province. [25-02] State (CN) Also use for province if shipment is Canadian. [28-02] State Code (SH) Also use for province if shipment is Canadian. [31-02] State Code (PF) [34-02] State or Province Code (CB)	**X**	**1 ID 2/2**
>>	**N403**	**116**	**Postal Code** Code defining international postal zone code excluding punctuation and blanks (zip code for United States) [18-03] ZIP/Postal Code (C1) [22-03] ZIP/Postal Code (SF) [25-03] ZIP/Postal Code (CN) [28-03] ZIP/Postal Code (SH) [31-03] ZIP/Postal Code (PF) [34-03] ZIP/Postal Code (CB)	**O**	**1 ID 3/15**

	N404	**26**	**Country Code** Code identifying the country	**X**	**1**	**ID 2/3**

[18-04] Country Code (C1)
ELEMENT CONDITION: If destination is OCONUS, ISO country code is required.
SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.
[22-04] Country Code (SF)
ELEMENT CONDITION: If origin is OCONUS, ISO country code is required.
SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.
[25-04] Country Code (CN)
ELEMENT CONDITION: If consignee is OCONUS, country code is required.
SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.
[28-04] Country Code (SH)
SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.
[34-04] Country Code (CB)
SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.

>>	**N405**	**309**	**Location Qualifier** Code identifying type of location	**X**	**1**	**ID 1/2**

[18-05] Destination SPLC (C1) Qualifier
[22-05] Shipping Point SPLC (SF) Qualifier
[34-05] Destination SPLC (CB) Qualifier

CS	Canadian SPLC [18-05] Canadian SPLC [22-05] Canadian SPLC
SL	U.S. SPLC [18-05] U.S. SPLC [22-05] U.S. SPLC [34-05] U.S. SPLC

>>	**N406**	**310**	**Location Identifier** Code which identifies a specific location [18-06] Destination SPLC (C1) Nine-digit SPLC is required for costing. [22-06] Shipping Point SPLC (SF) Nine-digit SPLC is required for costing. [34-06] Destination SPLC (CB)	**O**	**1**	**AN 1/30**
X	**N407**	**1715**	**Country Subdivision Code** Code identifying the country subdivision	**X**	**1**	**ID 1/3**

Segment: **PER** **Administrative Communications Contact**
Position: 2400
Loop: N1 Mandatory
Level: Heading
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: [19] 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. Des.	Data Element	Name	Attributes		
M	**PER01**	**366**	**Contact Function Code** Code identifying the major duty or responsibility of the person or group named [19-01] Contact Function Code NT Notification Contact [19-01] Notification Contact	**M**	**1**	**ID 2/2**
>>	**PER02**	**93**	**Name** Free-form name [19-02] Contact Name If none provided, enter value 'TRANSPORTATION OFFICER'.	**O**	**1**	**AN 1/60**
>>	**PER03**	**365**	**Communication Number Qualifier** Code identifying the type of communication number [19-03] Telephone Number Qualifier TE Telephone [19-03] Telephone	**X**	**1**	**ID 2/2**
>>	**PER04**	**364**	**Communication Number** Complete communications number including country or area code when applicable [19-04] Telephone Number	**X**	**1**	**AN 1/256**
X	**PER05**	**365**	**Communication Number Qualifier** Code identifying the type of communication number Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 2/2**
X	**PER06**	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X**	**1**	**AN 1/256**
X	**PER07**	**365**	**Communication Number Qualifier** Code identifying the type of communication number Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 2/2**
X	**PER08**	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X**	**1**	**AN 1/256**
X	**PER09**	**443**	**Contact Inquiry Reference** Additional reference number or description to clarify a contact number	**O**	**1**	**AN 1/20**

Segment: **R2** **Route Information**
Position: 4600
Loop:
Level: Heading
Usage: Mandatory
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: [35] R2 SEGMENT - Route Via

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**R201**	**140**	**Standard Carrier Alpha Code** Standard Carrier Alpha Code [35-01] 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**	**1**	**ID 2/4**
M	**R202**	**133**	**Routing Sequence Code** Code describing the relationship of a carrier to a specific shipment movement [35-02] Via (Routing) SCAC Qualifier	**M**	**1**	**ID 1/2**
			1 — 1st Carrier after Origin Carrier [35-02] 1st Carrier after Origin Carrier			
			2 — 2nd Carrier after Origin Carrier [35-02] 2nd Carrier after Origin Carrier			
			3 — 3rd Carrier after Origin Carrier [35-02] 3rd Carrier after Origin Carrier			
			4 — 4th Carrier after Origin Carrier [35-02] 4th Carrier after Origin Carrier			
			5 — 5th Carrier after Origin Carrier [35-02] 5th Carrier after Origin Carrier			
			A — Origin Carrier, Agent's Routing (Rail) [35-02] Origin Carrier, Agent's Routing (Rail)			
			D — DELY (Delivery Switch Carrier) [35-02] DELY (Delivery Switch Carrier)			
			I — Origin Switch Carrier [35-02] Origin Switch Carrier			
			R — Origin Carrier, Rule 11 Shipment [35-02] Origin Carrier, Rule 11 Shipment			
			S — Origin Carrier, Shipper's Routing (Rail) [35-02] Origin Carrier, Shipper's Routing (Rail) Use 'S' to denote Origin Carrier, Shipper's Routing			
			V — Intermediate Switch Carrier [35-02] Intermediate Switch Carrier			
	R203	**19**	**City Name** Free-form text for city name [35-03] Interchange Location Interchange is where the carrier in R201 passes the shipment forward to the next carrier. The interchange locations should follow Rule 260. ELEMENT CONDITION: Use for all R2s except for the final R2.	**O**	**1**	**AN 2/30**

X	**R204**	**154**	**Standard Point Location Code** Code (Standard Point Location) defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	**O**	**1**	**ID 6/9**
	R205	**177**	**Intermodal Service Code** Code identifying the Intermodal Service Plan [35-05] Intermodal Service Code ELEMENT CONDITION: Use for intermodal shipments. If BX02 = 'X' and N711 = 'CN' or 'TL', then R205 is required.	**O**	**1**	**ID 1/2**
X	**R206**	**91**	**Transportation Method/Type Code** Code specifying the method or type of transportation for the shipment Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/2**
X	**R207**	**296**	**Intermediate Switch Carrier** 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**	**1**	**ID 2/4**
X	**R208**	**296**	**Intermediate Switch Carrier** 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)	**O**	**1**	**ID 2/4**
X	**R209**	**76**	**Invoice Number** Identifying number assigned by issuer	**O**	**1**	**AN 1/22**
X	**R210**	**373**	**Date** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	**O**	**1**	**DT 8/8**
X	**R211**	**369**	**Free-form Description** Free-form descriptive text	**O**	**1**	**AN 1/45**
X	**R212**	**56**	**Type of Service Code** Code specifying extent of transportation service requested Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 2/2**
X	**R213**	**742**	**Route Description** Point to point routing description	**O**	**1**	**AN 1/35**

Segment: **H3** **Special Handling Instructions**
Position: 5200
Loop:
Level: Heading
Usage: Optional
Max Use: 20
Purpose: To specify special handling instructions in coded or free-form format
Syntax Notes: **1** Only one of H301 or H302 may be present.
Semantic Notes:
Comments:
Notes: [36] H3 SEGMENT - Accessorial/Protective Service
SEGMENT CONDITION: Use when Accessorial/Protective Service applies.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
>>	**H301**	**152**	**Special Handling Code** Code specifying special transportation handling instructions [36-01] 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. SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments table. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: 405,AGS Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 2/3**
X	**H302**	**153**	**Special Handling Description** Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate	**X**	**1**	**AN 2/30**
X	**H303**	**241**	**Protective Service Code** Code specifying perishable protective service- rail carriers only Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/4**
X	**H304**	**242**	**Vent Instruction Code** Code specifying vent instructions Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/7**
X	**H305**	**257**	**Tariff Application Code** Code indicating to which traffic a tariff applies Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**

Segment: **PS** **Protective Service Instructions**
Position: 5300
Loop:
Level: Heading
Usage: Optional
Max Use: 5
Purpose: To specify mechanical protective service and ventilation instructions
Syntax Notes:
1 If PS03 is present, then at least one of PS04 or PS14 is required.
2 If PS04 is present, then PS03 is required.
3 If PS14 is present, then PS03 is required.
Semantic Notes:
1 PS03 qualifies the temperature in PS04 and PS14.
2 PS04 is the optimum allowable temperature condition for shipment.
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.
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.
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.
6 PS14 is the set temperature at service origin.
Comments:
1 PS05 through PS08 are used to specify the station to which the temperature applies. PS05 and PS06 are preferred over PS07 and PS08.
2 PS09 is the weight of body ice in hundreds.
Notes: [37] 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

	Ref. Des.	Data Element	Name		Attributes	
M	**PS01**	**746**	**Protective Service Rule Code** Association of American Railroads (AAR) Protective Service that applies to shipment [37-01] Rail Service Rule Code SOURCE: Reference Section 6.0 of this IC for code values using applicable Rail Service Rule Code table. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: 226,515	**M**	**1**	**ID 3/9**
M	**PS02**	**241**	**Protective Service Code** Code specifying perishable protective service- rail carriers only [37-02] Protective Service Code Sample Values: 226,515 M Standard Mechanical Protective Service [37-02] Standard Mechanical Protective Service	**M**	**1**	**ID 1/4**
	PS03	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken [37-03] Temperature Qualifier ELEMENT CONDITION: Required if PS04 is used. Sample Values: 226,515 FA Fahrenheit [37-03] Fahrenheit	**X**	**1**	**ID 2/2**
	PS04	**408**	**Temperature** Temperature [37-04] Temperature Sample Values: 226,515	**X**	**1**	**R 1/4**
X	**PS05**	**140**	**Standard Carrier Alpha Code** Standard Carrier Alpha Code	**O**	**1**	**ID 2/4**

X	**PS06**	**573**	**Freight Station Accounting Code** Code (Freight Station Accounting) (AAR Managed Code for Locations)	**O**	**1**	**ID 1/5**
X	**PS07**	**19**	**City Name** Free-form text for city name	**O**	**1**	**AN 2/30**
X	**PS08**	**156**	**State or Province Code** Code (Standard State/Province) as defined by appropriate government agency	**O**	**1**	**ID 2/2**
X	**PS09**	**81**	**Weight** Numeric value of weight	**O**	**1**	**R 1/10**
X	**PS10**	**745**	**Pre-Cooled (Rule 710) Code** Code indicating whether or not the shipment was precooled per Association of American Railroads Protective Service Rule 710 Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**
X	**PS11**	**1073**	**Yes/No Condition or Response Code** Code indicating a Yes or No condition or response Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**
X	**PS12**	**1073**	**Yes/No Condition or Response Code** Code indicating a Yes or No condition or response Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**
X	**PS13**	**1073**	**Yes/No Condition or Response Code** Code indicating a Yes or No condition or response Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**
X	**PS14**	**408**	**Temperature** Temperature	**X**	**1**	**R 1/4**

Segment: **LX** **Transaction Set Line Number**
Position: 5400
Loop: LX Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:
Notes: [38] LX SEGMENT - Assigned Number

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**LX01**	**554**	**Assigned Number** Number assigned for differentiation within a transaction set [38-01] Assigned Number No leading zeros.	**M**	**1 N0 1/6**

Segment: **L5** **Description, Marks and Numbers**
Position: 5500
Loop: LX Mandatory
Level: Heading
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: [39] L5 SEGMENT - Descriptions, Marks, and Numbers

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
>>	**L501**	**213**	**Lading Line Item Number** Sequential line number for a lading item [39-01] Lading Line Item Number This number matches L001. No leading zeros.	**O**	**1 N0 1/3**
>>	**L502**	**79**	**Lading Description** Description of an item as required for rating and billing purposes [39-02] 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.	**O**	**1 AN 1/50**
>>	**L503**	**22**	**Commodity Code** Code describing a commodity or group of commodities [39-03] 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.	**X**	**1 AN 1/30**
>>	**L504**	**23**	**Commodity Code Qualifier** Code identifying the commodity coding system used for Commodity Code [39-04] STCC Qualifier Use code value 'L' when shipping empty. L — Last Contained Contents STCC [39-04] Last Contained Contents STCC T — Standard Transportation Commodity Code (STCC) [39-04] Standard Transportation Commodity Code (STCC)	**X**	**1 ID 1/1**
X	**L505**	**103**	**Packaging Code** 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 005030 Data Element Dictionary for acceptable code values.	**O**	**1 AN 3/5**
X	**L506**	**87**	**Marks and Numbers** Marks and numbers used to identify a shipment or parts of a shipment	**X**	**1 AN 1/48**
X	**L507**	**88**	**Marks and Numbers Qualifier** Code specifying the application or source of Marks and Numbers (87) Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1 ID 1/2**

X	**L508**	**23**	**Commodity Code Qualifier** Code identifying the commodity coding system used for Commodity Code Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 1/1**
X	**L509**	**22**	**Commodity Code** Code describing a commodity or group of commodities	**X**	**1**	**AN 1/30**
X	**L510**	**595**	**Compartment ID Code** Code identifying the compartment in a compartmentalized tank car Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**

Segment: **L0** **Line Item - Quantity and Weight**
Position: 5700
Loop: L0 Optional (Must Use)
Level: Heading
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: [40] 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.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
>>	**L001**	**213**	**Lading Line Item Number** Sequential line number for a lading item [40-01] 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.	**O**	**1**	**N0 1/3**
	L002	**220**	**Billed/Rated-as Quantity** Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81 [40-02] Billed/Rated-as Quantity 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. ELEMENT CONDITION: Use when rating a shipment on something other than weight.	**X**	**1**	**R 1/11**

	L003	**221**	**Billed/Rated-as Qualifier**	**X**	**1**	**ID 2/2**
			Code identifying the type of quantity or value on which the rate or item pricing is based			
			[40-03] Billed/Rated-as Qualifier ELEMENT CONDITION: Use when rating a shipment on something other than weight.			
			BA — Barrels Identifies a billable unit expressed as a type of container [40-03] Barrels			
			GL — Gallon [40-03] Gallon			
			LB — Pound [40-03] Pound			
	L004	**81**	**Weight**	**X**	**1**	**R 1/10**
			Numeric value of weight			
			[40-04] Weight 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. ELEMENT CONDITION: Use L004 and L005 when the shipment is based on pounds.			
	L005	**187**	**Weight Qualifier**	**X**	**1**	**ID 1/2**
			Code defining the type of weight			
			[40-05] Weight Qualifier ELEMENT CONDITION: Use L004 and L005 when the shipment is based on pounds.			
			B — Billed Weight [40-05] Billed Weight			
	L006	**183**	**Volume**	**X**	**1**	**R 1/8**
			Value of volumetric measure			
			[40-06] Volume Enter value of volumetric measure. ELEMENT CONDITION: Use L006 and L007 when shipment is based on volume.			
	L007	**184**	**Volume Unit Qualifier**	**X**	**1**	**ID 1/1**
			Code identifying the volume unit			
			[40-07] Volume Unit Qualifier ELEMENT CONDITION: Use L006 and L007 when shipment is based on volume.			
			G — Gallons [40-07] Gallons			
>>	**L008**	**80**	**Lading Quantity**	**X**	**1**	**N0 1/7**
			Number of units (pieces) of the lading commodity			
			[40-08] Lading Quantity			
>>	**L009**	**211**	**Packaging Form Code**	**X**	**1**	**ID 3/3**
			Code for packaging form of the lading quantity			
			[40-09] Packaging Form Code SOURCE: Reference Section 6.0 of this IC for code values using applicable Type Pack Qualifier table. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Refer to 005030 Data Element Dictionary for acceptable code values.			
X	**L010**	**458**	**Dunnage Description**	**O**	**1**	**AN 2/25**
			Material used to protect lading			

	L011	**188**	**Weight Unit Code** Code specifying the weight unit [40-11] Weight Unit Code ELEMENT CONDITION: Required if L004 is used. L Pounds [40-11] Pounds	**O**	**1**	**ID 1/1**
X	**L012**	**56**	**Type of Service Code** Code specifying extent of transportation service requested Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 2/2**
X	**L013**	**380**	**Quantity** Numeric value of quantity	**X**	**1**	**R 1/15**
X	**L014**	**211**	**Packaging Form Code** Code for packaging form of the lading quantity Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 3/3**
X	**L015**	**1073**	**Yes/No Condition or Response Code** Code indicating a Yes or No condition or response Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 1/1**

Segment: **PI** **Price Authority Identification**
Position: 5900
Loop: PI Optional (Must Use)
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To communicate basis of pricing, such as contract number, quote number, or tariff number
Syntax Notes:
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: [41] PI SEGMENT - Tender Information

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**PI01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification [41-01] Rate Agreement Qualifier CT Contract Number [41-01] Contract Number	**M**	**1**	**ID 2/3**
M	**PI02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [41-02] 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.	**M**	**1**	**AN 1/80**
>>	**PI03**	**436**	**Primary Publication Authority Code** Code indicating type of external reference [41-03] Primary Publication Authority Code TP Tariff Publication [41-03] Tariff Publication	**O**	**1**	**ID 2/2**
X	**PI04**	**930**	**Regulatory Agency Code** Code relating to the regulatory agency governing the price reference	**O**	**1**	**ID 3/5**
>>	**PI05**	**168**	**Tariff Agency Code** Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment [41-05] Origin Carrier SCAC	**O**	**1**	**ID 1/4**
>>	**PI06**	**965**	**Issuing Carrier Identifier** Identification assigned by issuing carrier [41-06] Tender Alpha Prefix Carry alpha part of tender number here. Note: Same as SCAC.	**O**	**1**	**AN 1/10**
	PI07	**660**	**Contract Suffix** Used to identify a type of contract [41-07] Tender Supplement	**O**	**1**	**AN 1/2**
X	**PI08**	**169**	**Tariff Item Number** Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment	**O**	**1**	**AN 1/16**
X	**PI09**	**173**	**Tariff Supplement Identifier** Identifier for the tariff supplement which contains the rate used	**O**	**1**	**AN 1/4**

X	**PI10**	**172**	**Tariff Section Number** Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff	**O**	**1**	**AN 1/2**
X	**PI11**	**660**	**Contract Suffix** Used to identify a type of contract	**O**	**1**	**AN 1/2**
X	**PI12**	**373**	**Date** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	**O**	**1**	**DT 8/8**
X	**PI13**	**373**	**Date** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	**O**	**1**	**DT 8/8**
X	**PI14**	**629**	**Alternation Precedence Code** 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 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**
X	**PI15**	**629**	**Alternation Precedence Code** 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 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**
X	**PI16**	**284**	**Service Level Code** Code indicating the level of transportation service or the billing service offered by the transportation carrier Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 2/2**

Segment: **LS** **Loop Header**
Position: 6700
Loop:
Level: Heading
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: [42] LS SEGMENT - Loop Header
SEGMENT CONDITION: Use this loop to describe HAZMAT (LH1 loop) items.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**LS01**	**447**	**Loop Identifier Code** The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE [42-01] Loop Identifier Code Whole number incremented by 1 for each LH1 loop.	**M**	**1 AN 1/4**

Segment: **LH1** **Hazardous Identification Information**
Position: 6800
Loop: LH1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the hazardous commodity identification reference number and quantity
Syntax Notes:
Semantic Notes:
1 LH112 is the packaging form code for the non-bulk container passed in the LH101 as defined in 49 CFR 178 and required by 49 CFR 172. (See Code Source 937)
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 shipments.
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:
[43] 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. Des.	Data Element	Name		Attributes	
M	**LH101**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken [43-01] HAZMAT - Unit of Measure Code SOURCE: Reference Section 6.0 of this IC for code values using applicable HAZMAT Unit of Measure Code table. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: AB,BD Refer to 005030 Data Element Dictionary for acceptable code values.	**M**	**1**	**ID 2/2**
M	**LH102**	**80**	**Lading Quantity** Number of units (pieces) of the lading commodity [43-02] HAZMAT - Lading Quantity Contains the number of units (pieces) of the lading commodity. Reference 49 CFR 172.202(c). Sample Values: AB,BD	**M**	**1**	**N0 1/7**
>>	**LH103**	**277**	**UN/NA Identification Code** 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 [43-03] UN/NA Identification Code Contains the United Nations/North America (UN/NA) code. Sample Values: AB,BD	**O**	**1**	**ID 6/6**
X	**LH104**	**200**	**Hazardous Materials Page** The United Nations page number as required for the international transport of hazardous materials	**O**	**1**	**AN 1/6**
>>	**LH105**	**22**	**Commodity Code** Code describing a commodity or group of commodities [43-05] STCC From 858, L503. Must contain 7 digit numeric hazardous material response code (HMRC). Sample Values: AB,BD	**O**	**1**	**AN 1/30**

	LH106	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken [43-06] HAZMAT - Unit of Measure Code 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). ELEMENT CONDITION: Use the unit of measure codes only for quantity or volume of non-bulk hazardous shipments. Sample Values: AB,BD,AB,BD Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 2/2**
	LH107	**380**	**Quantity** Numeric value of quantity [43-07] HAZMAT - Non-Bulk Quantity ELEMENT CONDITION: 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. Sample Values: AB,BD,AB,BD	**O**	**1**	**R 1/15**
X	**LH108**	**595**	**Compartment ID Code** Code identifying the compartment in a compartmentalized tank car Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**
	LH109	**665**	**Residue Indicator Code** Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded [43-09] Residue Indicator Code ELEMENT CONDITION: 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 denote Last Contained Contents. Sample Values: AB,BD,AB,BD R — Residue Last Contained Description (Rail Car) [43-09] Residue Last Contained Description (Rail Car)	**O**	**1**	**ID 1/1**
	LH110	**254**	**Packing Group Code** Code indicating degree of danger in terms of Roman number I, II or III [43-10] Packing Group Code ELEMENT CONDITION: 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. Sample Values: AB,BD,AB,BD	**O**	**1**	**ID 1/3**
X	**LH111**	**1375**	**Interim Hazardous Material Regulatory Number** Identifies the current regulatory version number used for hazardous materials shipments	**O**	**1**	**AN 1/5**
X	**LH112**	**1271**	**Industry Code** Code indicating a code from a specific industry code list	**O**	**1**	**AN 1/30**

Segment: **LH2** **Hazardous Classification Information**
Position: 6900
Loop: LH1 Optional
Level: Heading
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.
4 LH212 and LH213 indicate the net explosive weight.
Comments:
Notes: [44] 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. Des.	Data Element	Name	Attributes		
>>	**LH201**	**215**	**Hazardous Classification** The hazardous classification corresponding to the shipping name of the hazardous commodity [44-01] 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.	**O**	**1**	**ID 1/30**
>>	**LH202**	**983**	**Hazardous Class Qualifier** Code qualifying hazardous class [44-02] Hazardous Class Qualifier Use code value 'S' for Canadian shipments. P Primary [44-02] Primary S Secondary [44-02] Secondary	**O**	**1**	**ID 1/1**
X	**LH203**	**218**	**Hazardous Placard Notation** The placard notation corresponding to the hazard class of the hazardous commodity	**O**	**1**	**ID 14/40**
X	**LH204**	**222**	**Hazardous Endorsement** The placard endorsement that is to be shown on the shipping papers for the hazardous commodity	**O**	**1**	**ID 4/25**
	LH205	**759**	**Reportable Quantity Code** Code to identify presence of hazardous substance [44-05] Reportable Quantity Code For empty packagings or units containing the residue of a hazardous material, reference 49 CFR 172.203(e). ELEMENT CONDITION: Element required when necessary to indicate a reportable quantity is present in the shipment. RQ Reportable Quantity [44-05] Reportable Quantity	**O**	**1**	**ID 2/2**

	LH206	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken [44-06] HAZMAT Flashpoint Temperature Code ELEMENT CONDITION: Required when LH207 is used. CE Centigrade, Celsius [44-06] Centigrade, Celsius FA Fahrenheit [44-06] Fahrenheit	**X**	**1**	**ID 2/2**
	LH207	**408**	**Temperature** Temperature [44-07] HAZMAT Flashpoint Temperature	**X**	**1**	**R 1/4**
X	**LH208**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 2/2**
X	**LH209**	**408**	**Temperature** Temperature	**X**	**1**	**R 1/4**
X	**LH210**	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 2/2**
X	**LH211**	**408**	**Temperature** Temperature	**X**	**1**	**R 1/4**
>>	**LH212**	**188**	**Weight Unit Code** Code specifying the weight unit [44-12] Weight Unit Code E Metric Ton [44-12] Metric Ton G Grams [44-12] Grams K Kilograms [44-12] Kilograms L Pounds [44-12] Pounds M Measurement Ton [44-12] Measurement Ton O Ounces [44-12] Ounces S Short Ton [44-12] Short Ton T Long Ton [44-12] Long Ton	**X**	**1**	**ID 1/1**
>>	**LH213**	**267**	**Net Explosive Quantity** Net weight of the explosive quantity of the hazardous commodity [44-13] Net Explosive Quantity Net Explosive Quantity is the actual weight of exploive mixtures or compounds (e.g., weight of the gun power).	**X**	**1**	**N0 1/10**

Segment: **LH3** **Hazardous Material Shipping Name Information**
Position: 7000
Loop: LH1 Optional
Level: Heading
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: [45] LH3 SEGMENT - Hazardous Material Shipping Name
SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
>>	**LH301**	**224**	**Hazardous Material Shipping Name** The proper shipping name of the hazardous commodity as specified by Title 49 Code of Federal Regulations, or the shipping name of the dangerous good as defined in the Canadian Transportation of Dangerous Goods Act and Regulations, or the international regulations as promulgated by the United Nations [45-01] 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.	**X**	**1**	**AN 1/25**
>>	**LH302**	**984**	**Hazardous Material Shipping Name Qualifier** Qualifier indicating the source (regulatory) of the proper shipping name [45-02] Hazardous Material Shipping Name Qualifier C — Canadian Shipping Name [45-02] Canadian Shipping Name D — Domestic (United States) Shipping Name [45-02] Domestic (United States) Shipping Name I — International Shipping Name [45-02] International Shipping Name	**X**	**1**	**ID 1/1**
	LH303	**985**	**N.O.S. Indicator Code** Code indicating the type of regulatory requirements that apply to a description; N.O.S. stands for Not Otherwise Specified [45-03] NOS Indicator Code ELEMENT CONDITION: If this field is used, an LFH segment must follow using code value 'TEC' in LFH01. NOS — N.O.S. Regulatory Requirements Apply [45-03] N.O.S. Regulatory Requirements Apply	**O**	**1**	**ID 3/3**
X	**LH304**	**1073**	**Yes/No Condition or Response Code** Code indicating a Yes or No condition or response Refer to 005030 Data Element Dictionary for acceptable code values.	**O**	**1**	**ID 1/1**

Segment: **LFH** **Free-form Hazardous Material Information**
Position: 7100
Loop: LH1 Optional
Level: Heading
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.
3 LFH08 is the date fumigation began.
Comments:
Notes: [46] LFH SEGMENT - Hazardous Material Additional Shipment Information SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**LFH01**	**808**	**Hazardous Material Shipment Information Qualifier**	**M**	**1 ID 3/3**
			Qualifier indicating the type of information being passed so that a receiver may format a description of hazardous commodity movements that meets regulatory requirements		
			[46-01] 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.		
			ADI — Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper		
			[46-01] Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper		
			DWW — "Dangerous When Wet" Declaration		
			[46-01] "Dangerous When Wet" Declaration		
			HOT — Identifies Products in a Heated Molten State		
			[46-01] Identifies Products in a Heated Molten State		
			HZC — Hazardous Substance Constituents		
			[46-01] Hazardous Substance Constituents		
			LQY — "Limited Quantity" Declaration		
			[46-01] "Limited Quantity" Declaration		
			MOS — Maximum Operating Speed		
			[46-01] Maximum Operating Speed		
			MPI — Marine Pollutant		
			[46-01] Marine Pollutant		
			PIH — "Poison - Inhalation Hazard" Declaration		
			[46-01] "Poison - Inhalation Hazard" Declaration		

			POI	"Poison" Declaration			
				[46-01] "Poison" Declaration			
			RAM	Radioactive Material Data			
				[46-01] Radioactive Material Data			
			TEC	Technical or Chemical Group Name			
				[46-01] Technical or Chemical Group Name			
M	**LFH02**	**809**	**Hazardous Material Shipment Information**		**M**	**1**	**AN 1/25**
			Specific information required by law for hazardous material shipments				
			[46-02] 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 value 'Poisonous - Inhalation Hazard, Zone X', where X is the code designated in LFH04. If LFH01 = 'HOT', enter value '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 value 'Ltd Qty' or 'Limited Quantity'. If LFH01 = 'HZC', enter value 'Hazardous substance constituents.' If LFH01 = 'MOS', enter value 'Maximum operating speed.' If LFH01 = 'MPI', enter value 'Marine Pollutant.' If LFH01 = 'POI', enter value '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.				
	LFH03	**809**	**Hazardous Material Shipment Information**		**O**	**1**	**AN 1/25**
			Specific information required by law for hazardous material shipments				
			[46-03] Hazardous Material Additional Shipment Information ELEMENT CONDITION: 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.				
	LFH04	**1023**	**Hazard Zone Code**		**O**	**1**	**ID 1/1**
			Code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone				
			[46-04] Hazard Zone Code Contains the code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone. ELEMENT CONDITION: Use applicable Hazard Zone Code when LFH01 = PIH.				
			A	Hazard Zone A			
				[46-04] Hazard Zone A			
			B	Hazard Zone B			
				[46-04] Hazard Zone B			
			C	Hazard Zone C			
				[46-04] Hazard Zone C			
			D	Hazard Zone D			
				[46-04] Hazard Zone D			
X	**LFH05**	**355**	**Unit or Basis for Measurement Code**		**X**	**1**	**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 005030 Data Element Dictionary for acceptable code values.				
X	**LFH06**	**380**	**Quantity**		**X**	**1**	**R 1/15**
			Numeric value of quantity				
X	**LFH07**	**380**	**Quantity**		**O**	**1**	**R 1/15**
			Numeric value of quantity				

X	**LFH08**	**373**	**Date** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	**O**	**1**	**DT 8/8**

Segment: **LH4** **Canadian Dangerous Requirements**
Position: 7300
Loop: LH1 Optional
Level: Heading
Usage: Optional
Max Use: 4
Purpose: To specify additional Transport Canada requirements covering transportation of dangerous goods in Canada
Syntax Notes:
1 If either LH401 or LH402 is present, then the other is required.
2 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: [47] LH4 SEGMENT - Canadian Dangerous Requirements
SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
>>	**LH401**	**238**	**Emergency Response Plan Number** The identity number of a specific hazardous emergency response plan that is assigned by the Director General of Canada [47-01] Emergency Response Plan Number Required if the commodity is listed in Schedule XII of the Canadian TDG regulations.	**X**	**1**	**AN 1/12**
>>	**LH402**	**364**	**Communication Number** Complete communications number including country or area code when applicable [47-02] Communication Number Required if LH401 is present.	**X**	**1**	**AN 1/256**
X	**LH403**	**254**	**Packing Group Code** Code indicating degree of danger in terms of Roman number I, II or III	**O**	**1**	**ID 1/3**
X	**LH404**	**230**	**Subsidiary Classification** Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers	**O**	**1**	**ID 1/3**
X	**LH405**	**230**	**Subsidiary Classification** Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers	**O**	**1**	**ID 1/3**
X	**LH406**	**230**	**Subsidiary Classification** Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers	**O**	**1**	**ID 1/3**
	LH407	**271**	**Subsidiary Risk Indicator** Code identifying the type of subsidiary risk [47-07] Subsidiary Risk Indicator I Potentially Very Damaging To The Eyes [47-07] Potentially Very Damaging To The Eyes	**O**	**1**	**ID 1/2**
	LH408	**267**	**Net Explosive Quantity** Net weight of the explosive quantity of the hazardous commodity [47-08] Net Explosive Quantity ELEMENT CONDITION: Use for Class 1 Dangerous Goods - express the net weight of the explosive quantity.	**X**	**1**	**N0 1/10**
	LH409	**805**	**Canadian Hazardous Notation** Notation required by Canadian regulatory agencies [47-09] Canadian Hazardous Notation ELEMENT CONDITION: Use only if transporting "Anhydrous Ammonia" - UN1005	**O**	**1**	**AN 1/25**

	LH410	**986**	**Special Commodity Indicator Code** Code indicating 'Special Commodity' notation on operational waybill as identified by the Transportation of Dangerous Goods Act and Regulation (TDG) [47-10] Special Commodity Indicator Code Code indicating special commodity as identified by the Transportation of Dangerous Goods Act and Regulation. S — Positive Indicator [47-10] Positive Indicator	**O**	**1**	**ID 1/1**
X	**LH411**	**364**	**Communication Number** Complete communications number including country or area code when applicable	**O**	**1**	**AN 1/256**
	LH412	**355**	**Unit or Basis for Measurement Code** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken [47-12] Unit or Basis for Measurement Code Identifies unit of measure in LH408. KG — Kilogram [47-12] Kilogram PN — Pounds Net [47-12] Pounds Net	**X**	**1**	**ID 2/2**

Segment: **LHT** **Transborder Hazardous Requirements**
Position: 7400
Loop: LH1 Optional
Level: Heading
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: [48] LHT SEGMENT - Transborder Hazardous Requirements
SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
>>	**LHT01**	**215**	**Hazardous Classification** The hazardous classification corresponding to the shipping name of the hazardous commodity [48-01] 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.	**O**	**1**	**ID 1/30**
X	**LHT02**	**218**	**Hazardous Placard Notation** The placard notation corresponding to the hazard class of the hazardous commodity	**O**	**1**	**ID 14/40**
X	**LHT03**	**222**	**Hazardous Endorsement** The placard endorsement that is to be shown on the shipping papers for the hazardous commodity	**O**	**1**	**ID 4/25**

Segment: **LHR** **Hazardous Material Identifying Reference Numbers**
Position: 7500
Loop: LH1 Optional
Level: Heading
Usage: Optional
Max Use: 5
Purpose: To transmit specific hazardous material reference numbers
Syntax Notes:
Semantic Notes:
Comments:
Notes: [49] LHR SEGMENT - Hazardous Material DOT Explosive Approval Number
SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.
[50] 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.)
[51] LHR SEGMENT - Competent Authority Approval Number
SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.
[52] LHR SEGMENT - DOT Exemption (DOT-E) Number
SEGMENT CONDITION: Required if shipment is HAZMAT and LH1is used.
[53] LHR SEGMENT - Int'n Maritime Dangerous Goods Code
SEGMENT CONDITION: Use this segment if the HAZMAT shipment requires international regulation.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	**LHR01**	**128**	**Reference Identification Qualifier** Code qualifying the Reference Identification	**M**	**1**	**ID 2/3**
			[49-01] HAZMAT - DOT Explosive Approval Number Qualifier [50-01] HAZMAT - DoD Identification Code (DoDIC) Qualifier Required if the HAZMAT shipment contains ammunition. Code value should be read as 'one eye'. [51-01] Competent Authority Approval Number Qualifier [52-01] DOT Exemption (DOT-E) Number Qualifier [53-01] HAZMAT - Int'n Maritime Dangerous Goods Code (IMDG) Qualifier			
			1I	Department of Defense Identification Code (DoDIC) Qualifies a code that uniquely identifies a type of explosive or ammunition [50-01] Department of Defense Identification Code (DoDIC)		
			HA	Competent Authority [51-01] Competent Authority		
			HD	Department of Transportation Hazardous Number [49-01] Department of Transportation Hazardous Number		
			HE	Hazardous Exemption Number [52-01] Hazardous Exemption Number		
			IM	Intergovernmental Maritime Organization (IMO) Number [53-01] Intergovernmental Maritime Organization (IMO) Number		

M	**LHR02**	**127**	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier [49-02] 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). [50-02] HAZMAT - DoD Identification Code (DoDIC) Mandatory for all ammunition and explosives. Also called Navy Ammunition Logistics Code (NALC). [51-02] Competent Authority Approval Number 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. [52-02] 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). [53-02] HAZMAT - Int'n Maritime Dangerous Goods Code (IMDG)	**M**	**1**	**AN 1/80**
	LHR03	**373**	**Date** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year [49-03] Date	**O**	**1**	**DT 8/8**

Segment: **PER** **Administrative Communications Contact**
Position: 7550
Loop: LH1 Optional
Level: Heading
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: [54] PER SEGMENT - Canadian Shipment Contact
SEGMENT CONDITION: Required for all HAZMAT shipments.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	**PER01**	**366**	**Contact Function Code** Code identifying the major duty or responsibility of the person or group named [54-01] Contact Function Code HM Hazardous Material Contact [54-01] Hazardous Material Contact	**M**	**1**	**ID 2/2**	
X	**PER02**	**93**	**Name** Free-form name	**O**	**1**	**AN 1/60**	
>>	**PER03**	**365**	**Communication Number Qualifier** Code identifying the type of communication number [54-03] Communication Number Qualifier TE Telephone [54-03] Telephone	**X**	**1**	**ID 2/2**	
>>	**PER04**	**364**	**Communication Number** Complete communications number including country or area code when applicable [54-04] Communication Number The words "24 hour number" must appear before the telephone number for Canadian shipments only.	**X**	**1**	**AN 1/256**	
X	**PER05**	**365**	**Communication Number Qualifier** Code identifying the type of communication number Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 2/2**	
X	**PER06**	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X**	**1**	**AN 1/256**	
X	**PER07**	**365**	**Communication Number Qualifier** Code identifying the type of communication number Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 2/2**	
X	**PER08**	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X**	**1**	**AN 1/256**	
X	**PER09**	**443**	**Contact Inquiry Reference** Additional reference number or description to clarify a contact number	**O**	**1**	**AN 1/20**	

Segment: **LE** **Loop Trailer**
Position: 7600
Loop:
Level: Heading
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: [55] LE SEGMENT - Loop Trailer
SEGMENT CONDITION: Use this segment if LS segment is used.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	**LE01**	**447**	**Loop Identifier Code** The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE [55-01] Loop Identifier Code Use same value as LS01.	**M**	**1 AN 1/4**

Segment: **PER** **Administrative Communications Contact**
Position: 7700
Loop:
Level: Heading
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:
[56] 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.
[57] 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.
[58] 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. Des.	Data Element	Name		Attributes		
M	**PER01**	**366**	**Contact Function Code**		**M**	**1**	**ID 2/2**
			Code identifying the major duty or responsibility of the person or group named				
			[56-01] Shipment Contact Qualifier If shipment is to Canada and HAZMAT, use additional PER segment for additional Canadian HAZMAT contact. [57-01] Canadian Shipment Contact Qualifier [58-01] Emergency Contact Qualifier				
			CN	General Contact			
				[57-01] General Contact Use 'CN' to denote Canadian Contact			
			EF	Emergency Contact-Military Surface Deployment and Distribution Command (SDDC)			
				[58-01] Emergency Contact-Military Surface Deployment and Distribution Command (SDDC) Use 'EF' to denote Emergency Contact - Military Surface Deployment and Distribution Command (SDDC) (Formerly MTMC)			
			HM	Hazardous Material Contact			
				[56-01] Hazardous Material Contact			
	PER02	**93**	**Name**		**O**	**1**	**AN 1/60**
			Free-form name				
			[56-02] Contact Name				
>>	**PER03**	**365**	**Communication Number Qualifier**		**X**	**1**	**ID 2/2**
			Code identifying the type of communication number				
			[56-03] Communications Qualifier [57-03] Canadian Communications Qualifier [58-03] Communication Qualifier				
			TE	Telephone			
				[56-03] Telephone [57-03] Telephone [58-03] Telephone			

>>	**PER04**	**364**	**Communication Number** Complete communications number including country or area code when applicable [56-04] Shipment Contact Telephone Number Telephone number of shipment POC. [57-04] Canadian Shipment Contact Telephone Number Telephone number of shipment POC. [58-04] Emergency Contact Telephone Number	**X**	**1**	**AN 1/256**
X	**PER05**	**365**	**Communication Number Qualifier** Code identifying the type of communication number Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 2/2**
X	**PER06**	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X**	**1**	**AN 1/256**
X	**PER07**	**365**	**Communication Number Qualifier** Code identifying the type of communication number Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1**	**ID 2/2**
X	**PER08**	**364**	**Communication Number** Complete communications number including country or area code when applicable	**X**	**1**	**AN 1/256**
X	**PER09**	**443**	**Contact Inquiry Reference** Additional reference number or description to clarify a contact number	**O**	**1**	**AN 1/20**

Segment: **LH6** **Hazardous Certification**
Position: 8000
Loop:
Level: Heading
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: [59] LH6 SEGMENT - Hazardous Certification
SEGMENT CONDITION: Use only for HAZMAT shipments.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
>>	**LH601**	**93**	**Name** Free-form name	**O**	**1 AN 1/60**
			[59-01] HAZMAT - Certifying Person (49 CFR Compliance) If unknown enter value 'Transportation Officer'.		
X	**LH602**	**272**	**Hazardous Certification Code** Code indicating the form of the hazardous certification Refer to 005030 Data Element Dictionary for acceptable code values.	**X**	**1 ID 1/1**
X	**LH603**	**273**	**Hazardous Certification Declaration** Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations	**X**	**1 AN 1/25**
X	**LH604**	**273**	**Hazardous Certification Declaration** Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations	**O**	**1 AN 1/25**

Segment: **SE** **Transaction Set Trailer**
Position: 8400
Loop:
Level: Heading
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: [60] SE SEGMENT - Rail Carrier Information Trailer

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**SE01**	**96**	**Number of Included Segments** Total number of segments included in a transaction set including ST and SE segments [60-01] Number of Included Segments Total segments in this transaction set including the ST and SE segments.	**M**	**1**	**N0 1/10**
M	**SE02**	**329**	**Transaction Set Control Number** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set [60-02] Transaction Set Control Number This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set.	**M**	**1**	**AN 4/9**

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 DTEB Committee and described in DTEB data maintenance (DM) items up to the publication date of the IC.

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
1		**ST SEGMENT - Rail Carrier Information Header**	M			1	100	M	1								
1-01		Transaction Set Identifier Code 404 - Rail Carrier Shipment Information	M	ID	3/3	1	100	M	1				ST01	143	M	ID	3/3
1-02		Transaction Set Control Number The application and structure of the control number must be agreed upon between trading partners. (For example, some applications use all nine digits where the first five might indicate a group control number and the last four represent the sequence of the transaction set within the functional group. Also, the entire nine digit field may simply represent the sequence of the transaction set generated by a trading partner.)	M	AN	4/9	1	100	M	1				ST02	329	M	AN	4/9
2		**BX SEGMENT - General Shipment Information**	M			1	300	O	1								
2-01		Transaction Set Purpose Code Rails cannot accept code value '04' indicating 'Change' after lift. 00 - Original	M	ID	2/2	1	300	O	1				BX01	353	M	ID	2/2
2-02		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 X - Intermodal (Piggyback)	M	ID	1/1	1	300	O	1				BX02	91	M	ID	1/2
2-03		Shipment Method of Payment PP - Prepaid (by Seller)	M	ID	2/2	1	300	O	1				BX03	146	M	ID	2/2
2-05		Standard Carrier Alpha Code Use SCAC of origin carrier. SCAC should be validated against the National Motor Freight Transportation Association (NMFTA) SCAC reference file.	M	ID	2/4	1	300	O	1				BX05	140	O	ID	2/4
2-06		Weight Unit Code This element qualifies all weights in the transaction set. L - Pounds	M	ID	1/1	1	300	O	1				BX06	188	O	ID	1/1
2-07		Shipment Qualifier B - Bill of Lading for Individual Shipment E - Empty Equipment Billing (Non-Revenue)	M	ID	1/1	1	300	O	1				BX07	147	O	ID	1/1

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
2-11		Customs Documentation Handling Code ELEMENT CONDITION: Required for all shipments to/from Canada. 10 - Proforma Entered/B13 Not Required 14 - Proforma and B13 Entered 15 - Proforma Entered and B13 with Car 16 - Proforma Entered and B13 by Summary Reporting 17 - Proforma Entered with B13 with Broker Port of Exit 20 - Proforma with Car/B13 Not Required 24 - Proforma with Car and B13 Entered 25 - Proforma and B13 with Car 26 - Proforma with Car and B13 by Summary Reporting 27 - Proforma with Car and B13 with Broker Port of Exit 30 - Proforma with Broker Port of Exit/B13 Not Required 34 - Proforma with Broker Port of Exit and B13 Entered 35 - Proforma with Broker Port of Exit and B13 with Car 36 - Proforma with Broker Port of Exit B13 by Summary Reporting 37 - Proforma and B13 with Broker Port of Exit 40 - Customs Cleared 90 - Customs A 4 +	C	ID	2/2	1	300	O	1				BX11	501	O	ID	2/2
2-13		Goods and Services Tax Reason Code ELEMENT CONDITION: 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	C	ID	1/1	1	300	O	1				BX13	714	O	ID	1/1
3		**BNX SEGMENT - Rail Shipment Information** SEGMENT CONDITION: BNX segment is mandatory for loaded revenue shipments.	C			1	400	O	1								
3-01		Shipment Weight Code A - Shipper's Weight Agreement	M	ID	1/1	1	400	O	1				BNX01	460	O	ID	1/1
3-03		Billing Code S - Single Shipment Billing	M	ID	1/1	1	400	O	1				BNX03	11	O	ID	1/1

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
4		**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.	M			1	500 At least one of M302 or M303 is required. If M304 is present, then M303 is required.	M	1								
4-01		Release Code R - Released with Billing Data	M	ID	1/1	1	500	M	1				M301	132	M	ID	1/1
4-02		Date 404 Prepared This is the date that the 404 transaction is generated.	M	DT	8/8	1	500	M	1				M302	373	C	DT	8/8
4-03		Time 404 Prepared This is the time that the 404 transaction is generated.	M	TM	4/8	1	500	M	1				M303	337	C	TM	4/8
4-04		Time Code ET - Eastern Time	M	ID	2/2	1	500	M	1				M304	623	O	ID	2/2
5		**N9 SEGMENT - Bill of Lading Prepared Date** Data from GS202, position 110, 'Date Bill of Lading/Shipping Instruction Prepared Date' of 858R IC.	M			1	600 At least one of N902 or N903 is required. If N906 is present, then N905 is required.	M	30								
5-01		B/L Qualifier BM - Bill of Lading Number	M	ID	2/2	1	600	M	30				N901	128	M	ID	2/3
5-02		Bill of Lading Number Enter bill of lading number here.	M	AN	1/30	1	600	M	30				N902	127	C	AN	1/80
5-04		Bill of Lading Prepared Date This is the date the shipper creates the bill of lading.	M	DT	8/8	1	600	M	30				N904	373	O	DT	8/8
5-05		Time This is the time that the 404 transaction is generated.	M	TM	4/8	1	600	M	30				N905	337	C	TM	4/8
5-06		Time Code ET - Eastern Time	M	ID	2/2	1	600	M	30				N906	623	O	ID	2/2
6		**DTM SEGMENT - Desired/Required Delivery**	M			1	900 At least one of DTM02, DTM03, or DTM05 is required. If DTM04 is present, then DTM03 is required. If either DTM05 or DTM06 is present, then the other is required.	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 Lvl	Lp ID	Ref Des	DE #	Attributes		
6-01		Desired/Required Delivery Date Qualifier 002 - Delivery Requested *Use '002' to denote Required Delivery Date.* 017 - Estimated Delivery *Use '017' to denote Deliver on this Date.*	M	ID	3/3	1	900	O	5				DTM01	374	M	ID	3/3
6-02		Desired/Required Delivery Date	M	DT	8/8	1	900	O	5				DTM02	373	C	DT	8/8
7		**DTM SEGMENT - Carrier's Pickup** SEGMENT CONDITION: Use when date rail carriers are to pick up rail cars applies.	C			1	900	O	5								
							At least one of DTM02, DTM03, or DTM05 is required. If DTM04 is present, then DTM03 is required. If either DTM05 or DTM06 is present, then the other is required.										
7-01		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' 196 - Start *Use '196' to denote Actual Pickup Date.*	M	ID	3/3	1	900	O	5				DTM01	374	M	ID	3/3
7-02		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.	M	DT	8/8	1	900	O	5				DTM02	373	C	DT	8/8
8		**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.	M			1	1000	M	1	500	1	N7					
							If either N703 or N704 is present, then the other is required. If either N705 or N716 is present, then the other is required. If either N708 or N709 is present, then the other is required.										
8-01		Primary Equipment Initial	M	AN	1/4	1	1000	M	1	500	1	N7	N701	206	O	AN	1/4
8-02		Primary Equipment Number	M	AN	1/10	1	1000	M	1	500	1	N7	N702	207	M	AN	1/15
8-03		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.For idler cars, enter value zero (0). (This N703 should match the sum of the weight values in all elements L004 for this transaction.)	M	R	1/10	1	1000	M	1	500	1	N7	N703	81	C	R	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 Lvl	Lp ID	Ref Des	DE #	Attributes		
8-04		Weight Qualifier N - Actual Net Weight *Use 'N' to denote Net Weight.*	M	ID	1/2	1	1000	M	1	500	1	N7	N704	187	C	ID	1/2
8-11		Primary Equipment Description Code Code identifying type of equipment used for shipment. CN - Container ID - Idler Car RR - Rail Car TL - Trailer (not otherwise specified)	M	ID	2/2	1	1000	M	1	500	1	N7	N711	40	O	ID	2/2
8-15		Primary Equipment Length ELEMENT CONDITION: Outside length; required for intermodal equipment.	C	N0	4/5	1	1000	M	1	500	1	N7	N715	567	O	N0	4/5
9		**M7 SEGMENT - Seal Numbers** SEGMENT CONDITION: Include if seals are applied to the primary equipment.	C			1	1300	O	5	500	1	N7					
9-01		Seal Number Carry additional seal numbers in M702, M703, and M704.	M	AN	2/15	1	1300	O	5	500	1	N7	M701	225	M	AN	2/15
9-02		Seal Number ELEMENT CONDITION: Use for additional seal numbers.	C	AN	2/15	1	1300	O	5	500	1	N7	M702	225	O	AN	2/15
9-03		Seal Number ELEMENT CONDITION: Use for additional seal numbers.	C	AN	2/15	1	1300	O	5	500	1	N7	M703	225	O	AN	2/15
9-04		Seal Number ELEMENT CONDITION: Use for additional seal numbers.	C	AN	2/15	1	1300	O	5	500	1	N7	M704	225	O	AN	2/15
10		**REF SEGMENT - Intermodal/International Shipments** LOOP CONDITION: REF loop is required for intermodal/International shipments.	C			1	1770 At least one of REF02 or REF03 is required.	O	1	99	2	REF					

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
10-01		Reference Identification Qualifier If code value 'OB' is used, N10 segment is required. OB - Ocean Bill of Lading PN - Permit Number ZZ - Mutually Defined *Use 'ZZ' to denote Certificate of Transportation Number.*	M	ID	2/2	1	1770	O	1	99	2	REF	REF01	128	M	ID	2/3
10-02		Reference Identification	M	AN	1/30	1	1770	O	1	99	2	REF	REF02	127	C	AN	1/80
11		**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'.	C			1	1780	O	15	99	2	REF					
							If either N1004 or N1005 is present, then the other is required. If either N1007 or N1008 is present, then the other is required. If N1013 is present, then N1006 is required.										
11-01		Quantity	C	R	1/15	1	1780	O	15	99	2	REF	N1001	380	O	R	1/15
11-02		Free-form Description	C	AN	1/45	1	1780	O	15	99	2	REF	N1002	369	O	AN	1/45
11-03		Marks and Numbers	C	AN	1/48	1	1780	O	15	99	2	REF	N1003	87	O	AN	1/48
11-04		Commodity Code Qualifier ELEMENT CONDITION: Required if N1005 is used. J - Harmonized System-Based Schedule B	C	ID	1/1	1	1780	O	15	99	2	REF	N1004	23	C	ID	1/1
11-05		Commodity Code	C	AN	1/30	1	1780	O	15	99	2	REF	N1005	22	C	AN	1/30
11-06		Customs Shipment Value	C	AN	2/8	1	1780	O	15	99	2	REF	N1006	602	C	AN	2/8

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
11-07		Weight Unit Code ELEMENT CONDITION: Required if N1008 is used. E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	C	ID	1/1	1	1780	O	15	99	2	REF	N1007	188	C	ID	1/1
11-08		Weight	C	R	1/10	1	1780	O	15	99	2	REF	N1008	81	C	R	1/10
11-09		Reference Identification	C	AN	1/30	1	1780	O	15	99	2	REF	N1009	127	O	AN	1/80
11-10		Manifest Unit Code	C	ID	1/3	1	1780	O	15	99	2	REF	N1010	599	O	ID	1/3
11-11		Country Code Country of origin of goods. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C	ID	2/3	1	1780	O	15	99	2	REF	N1011	26	O	ID	2/3
11-12		Country Code Country of final destination of the goods. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C	ID	2/3	1	1780	O	15	99	2	REF	N1012	26	O	ID	2/3

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
11-13		Currency Code SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C	ID	3/3	1	1780	O	15	99	2	REF	N1013	100	O	ID	3/3
12		**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.	C			1	1850 If NA01 is present, then NA02 is required.	O	10								
12-03		Secondary Equipment Initial	M	AN	1/4	1	1850	O	10				NA03	206	M	AN	1/4
12-04		Secondary Equipment Number	M	AN	1/10	1	1850	O	10				NA04	207	M	AN	1/15
12-05		Cross Reference Type Code F - Conveying Flat Car	M	ID	1/1	1	1850	O	10				NA05	231	O	ID	1/1
13		**NA SEGMENT - Container** SEGMENT CONDITION: Segment required when shipment employs a container.	C			1	1850 If NA01 is present, then NA02 is required.	O	10								
13-03		Container Initials Put in initials.	M	AN	1/4	1	1850	O	10				NA03	206	M	AN	1/4
13-04		Container Serial Number	M	AN	1/10	1	1850	O	10				NA04	207	M	AN	1/15
13-05		Cross Reference Type Code T - Trailer	M	ID	1/1	1	1850	O	10				NA05	231	O	ID	1/1
14		**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.	M			1	1900	M	1								
14-02		City Name	M	AN	2/19	1	1900	M	1				F902	19	M	AN	2/30
14-03		State or Province Code Also use for province if shipment is Canadian.	M	ID	2/2	1	1900	M	1				F903	156	M	ID	2/2

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
14-08		Standard Point Location Code Official code assigned to a city or point (for rate making purposes) within a city.	C	ID	9/9	1	1900	M	1				F908	154	O	ID	6/9
15		**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.	M			1	2000	M	1								
15-02		City Name	M	AN	2/19	1	2000	M	1				D902	19	M	AN	2/30
15-03		State or Province Code Also use for province if shipment is Canadian.	M	ID	2/2	1	2000	M	1				D903	156	M	ID	2/2
15-08		Standard Point Location Code	C	ID	9/9	1	2000	M	1				D908	154	O	ID	6/9
16		**N1 SEGMENT - Destination (C1)** Use segment to convey carrier's delivery location information.	M			1	2100	M	1	15	1	N1					
							At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.										
16-01		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'. C1 - In Care Of Party no. 1	M	ID	2/2	1	2100	M	1	15	1	N1	N101	98	M	ID	2/3
16-02		Destination Name (C1) Enter value 'US Government' unless shipment is to/from a US Government contractor. Sample Values: US Government	M	AN	1/35	1	2100	M	1	15	1	N1	N102	93	C	AN	1/60
17		**N3 SEGMENT - Destination (C1)** SEGMENT CONDITION: Use when destination address information applies.	C			1	2200	O	2	15	1	N1					
17-01		Street (C1)	M	AN	1/30	1	2200	O	2	15	1	N1	N301	166	M	AN	1/55
17-02		Street (C1) ELEMENT CONDITION: Use for additional street address information.	C	AN	1/55	1	2200	O	2	15	1	N1	N302	166	O	AN	1/55
18		**N4 SEGMENT - Destination (C1)**	M			1	2300	O	1	15	1	N1					
							Only one of N402 or N407 may be present. If N406 is present, then N405 is required. If N407 is present, then N404 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 Lvl	Lp ID	Ref Des	DE #	Attributes		
18-01		City (C1)	M	AN	2/19	1	2300	O	1	15	1	N1	N401	19	O	AN	2/30
18-02		Province or State Code (C1) If shipment is Canadian, use for province.	M	ID	2/2	1	2300	O	1	15	1	N1	N402	156	C	ID	2/2
18-03		ZIP/Postal Code (C1)	M	ID	3/15	1	2300	O	1	15	1	N1	N403	116	O	ID	3/15
18-04		Country Code (C1) ELEMENT CONDITION: If destination is OCONUS, ISO country code is required. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C	ID	2/3	1	2300	O	1	15	1	N1	N404	26	C	ID	2/3
18-05		Destination SPLC (C1) Qualifier CS - Canadian SPLC SL - U.S. SPLC	M	ID	2/2	1	2300	O	1	15	1	N1	N405	309	C	ID	1/2
18-06		Destination SPLC (C1) Nine-digit SPLC is required for costing.	M	AN	9/9	1	2300	O	1	15	1	N1	N406	310	O	AN	1/30
19		**PER SEGMENT - Destination (C1)** SEGMENT CONDITION: Use for Canadian shipments - no phone extensions are allowed - the number must be a direct line.	C			1	2400	O	2	15	1	N1					
							If either PER03 or PER04 is present, then the other is required. If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.										
19-01		Contact Function Code NT - Notification Contact	M	ID	2/2	1	2400	O	2	15	1	N1	PER01	366	M	ID	2/2
19-02		Contact Name If none provided, enter value 'TRANSPORTATION OFFICER'. Sample Values: TRANSPORTATION OFFICER	M	AN	1/30	1	2400	O	2	15	1	N1	PER02	93	O	AN	1/60
19-03		Telephone Number Qualifier TE - Telephone	M	ID	2/2	1	2400	O	2	15	1	N1	PER03	365	C	ID	2/2
19-04		Telephone Number	M	AN	7/21	1	2400	O	2	15	1	N1	PER04	364	C	AN	1/256

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
20		**N1 SEGMENT - Origin (SF)** Use segment to convey carrier's pickup location information.	M			1	2100	M	1	15	1	N1					
							At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.										
20-01		Origin Name (SF) Qualifier This qualifier identifies the name and address information of the carrier's pickup location. SF - Ship From	M	ID	2/2	1	2100	M	1	15	1	N1	N101	98	M	ID	2/3
20-02		Origin Name (SF) Enter value 'US Government' unless shipment is to/from a US Government contractor. Sample Values: US Government	M	AN	1/35	1	2100	M	1	15	1	N1	N102	93	C	AN	1/60
21		**N3 SEGMENT - Origin (SF)** SEGMENT CONDITION: Use when pick-up street address information applies.	C			1	2200	O	2	15	1	N1					
21-01		Street (SF)	M	AN	1/30	1	2200	O	2	15	1	N1	N301	166	M	AN	1/55
21-02		Street (SF) ELEMENT CONDITION: Use for additional street address information.	C	AN	1/55	1	2200	O	2	15	1	N1	N302	166	O	AN	1/55
22		**N4 SEGMENT - Origin (SF)**	M			1	2300	O	1	15	1	N1					
							Only one of N402 or N407 may be present. If N406 is present, then N405 is required. If N407 is present, then N404 is required.										
22-01		City (SF)	M	AN	2/19	1	2300	O	1	15	1	N1	N401	19	O	AN	2/30
22-02		Province or State (SF) If shipment is Canadian, use for province.	M	ID	2/2	1	2300	O	1	15	1	N1	N402	156	C	ID	2/2
22-03		ZIP/Postal Code (SF)	M	ID	3/15	1	2300	O	1	15	1	N1	N403	116	O	ID	3/15
22-04		Country Code (SF) ELEMENT CONDITION: If origin is OCONUS, ISO country code is required. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C	ID	2/3	1	2300	O	1	15	1	N1	N404	26	C	ID	2/3

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
22-05		Shipping Point SPLC (SF) Qualifier CS - Canadian SPLC SL - U.S. SPLC	M	ID	2/2	1	2300	O	1	15	1	N1	N405	309	C	ID	1/2
22-06		Shipping Point SPLC (SF) Nine-digit SPLC is required for costing.	M	AN	9/9	1	2300	O	1	15	1	N1	N406	310	O	AN	1/30
23		**N1 SEGMENT - Consignee (CN)** Use segment to identify the installation transportation office responsible for the shipment at the final destination.	M			1	2100	M	1	15	1	N1					
							At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.										
23-01		Consignee (CN) Name Qualifier This qualifier identifies the installation transportation office responsible for the shipment at the final destination. CN - Consignee	M	ID	2/2	1	2100	M	1	15	1	N1	N101	98	M	ID	2/3
23-02		Consignee (CN) Name Sample Values: US Government	M	AN	1/35	1	2100	M	1	15	1	N1	N102	93	C	AN	1/60
24		**N3 SEGMENT - Consignee (CN)** SEGMENT CONDITION: Use when street address for installation transportation office responsible for the shipment at the final destination applies.	C			1	2200	O	2	15	1	N1					
24-01		Street (CN)	M	AN	1/30	1	2200	O	2	15	1	N1	N301	166	M	AN	1/55
24-02		Street (CN) ELEMENT CONDITION: Use for additional street address information.	C	AN	1/55	1	2200	O	2	15	1	N1	N302	166	O	AN	1/55
25		**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.	C			1	2300	O	1	15	1	N1					
							Only one of N402 or N407 may be present. If N406 is present, then N405 is required. If N407 is present, then N404 is required.										
25-01		City (CN)	M	AN	2/19	1	2300	O	1	15	1	N1	N401	19	O	AN	2/30
25-02		State (CN) Also use for province if shipment is Canadian.	M	ID	2/2	1	2300	O	1	15	1	N1	N402	156	C	ID	2/2
25-03		ZIP/Postal Code (CN)	M	ID	3/15	1	2300	O	1	15	1	N1	N403	116	O	ID	3/15

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
25-04		Country Code (CN) ELEMENT CONDITION: If consignee is OCONUS, country code is required. SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C	ID	2/3	1	2300	O	1	15	1	N1	N404	26	C	ID	2/3
26		**N1 SEGMENT - Shipper (SH)** Use segment to convey installation transportation office responsible for the shipment at origin information.	M			1	2100	M	1	15	1	N1					
							At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.										
26-01		Shipper (SH) Qualifier This qualifier identifies the installation transportation office responsible for the shipment at origin. SH - Shipper	M	ID	2/2	1	2100	M	1	15	1	N1	N101	98	M	ID	2/3
26-02		Shipper Name (SH) Sample Values: US Government	M	AN	1/35	1	2100	M	1	15	1	N1	N102	93	C	AN	1/60
27		**N3 SEGMENT - Shipper (SH)** SEGMENT CONDITION: Use when street address for installation transportation office responsible for the shipment at origin applies.	C			1	2200	O	2	15	1	N1					
27-01		Street (SH)	M	AN	1/30	1	2200	O	2	15	1	N1	N301	166	M	AN	1/55
27-02		Additional Street (SH)	C	AN	1/55	1	2200	O	2	15	1	N1	N302	166	O	AN	1/55
28		**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.	C			1	2300	O	1	15	1	N1					
							Only one of N402 or N407 may be present. If N406 is present, then N405 is required. If N407 is present, then N404 is required.										
28-01		City (SH)	M	AN	2/19	1	2300	O	1	15	1	N1	N401	19	O	AN	2/30
28-02		State Code (SH) Also use for province if shipment is Canadian.	M	ID	2/2	1	2300	O	1	15	1	N1	N402	156	C	ID	2/2
28-03		ZIP/Postal Code (SH)	M	ID	3/15	1	2300	O	1	15	1	N1	N403	116	O	ID	3/15

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
28-04		Country Code (SH)	C	ID	2/3	1	2300	O	1	15	1	N1	N404	26	C	ID	2/3
		SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.															
29		**N1 SEGMENT - Bill Charges To (PF)**	M			1	2100	M	1	15	1	N1					
		Provide the full address in the N3 and N4 segments to accommodate trading partners that cannot identify activities by DoDAAC/CAGE/MAPAC.					At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.										
29-01		Bill Charges To (PF) Qualifier	M	ID	2/2	1	2100	M	1	15	1	N1	N101	98	M	ID	2/3
		Government will convert code value 'PO' to code value 'PF'. PF - Party to Receive Freight Bill															
29-02		Bill Charges To (PF)	M	AN	6/6	1	2100	M	1	15	1	N1	N102	93	C	AN	1/60
		USBank															
30		**N3 SEGMENT - Bill Charges To (PF)**	M			1	2200	O	2	15	1	N1					
30-01		Street Address (PF)	M	AN	1/30	1	2200	O	2	15	1	N1	N301	166	M	AN	1/55
30-02		Additional Street Address (PF)	C	AN	1/55	1	2200	O	2	15	1	N1	N302	166	O	AN	1/55
		ELEMENT CONDITION: Use for additional street address information.															
31		**N4 SEGMENT - Bill Charges To (PF)**	M			1	2300	O	1	15	1	N1					
							Only one of N402 or N407 may be present. If N406 is present, then N405 is required. If N407 is present, then N404 is required.										
31-01		City (PF)	M	AN	2/19	1	2300	O	1	15	1	N1	N401	19	O	AN	2/30
31-02		State Code (PF)	M	ID	2/2	1	2300	O	1	15	1	N1	N402	156	C	ID	2/2
31-03		ZIP/Postal Code (PF)	M	ID	3/15	1	2300	O	1	15	1	N1	N403	116	O	ID	3/15
32		**N1 SEGMENT - Customs Broker (CB)**	C			1	2100	M	1	15	1	N1					
		LOOP CONDITION: Required for all shipments to/from Canada.					At least one of N102 or N103 is required. If either N103 or N104 is present, then the other is required.										
32-01		Customs Broker Identifier (CB) Qualifier	M	ID	2/2	1	2100	M	1	15	1	N1	N101	98	M	ID	2/3
		CB - Customs Broker															

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32-02		Customs Broker Name (CB)	M	AN	1/35	1	2100	M	1	15	1	N1	N102	93	C	AN	1/60
33		**N3 SEGMENT - Customs Broker (CB)** SEGMENT CONDITION: Required for all shipments to/from Canada.	C			1	2200	O	2	15	1	N1					
33-01		Street Address (CB)	M	AN	1/30	1	2200	O	2	15	1	N1	N301	166	M	AN	1/55
33-02		Street Address (CB) ELEMENT CONDITION: Use for additional street address information.	C	AN	1/55	1	2200	O	2	15	1	N1	N302	166	O	AN	1/55
34		**N4 SEGMENT - Customs Broker (CB)** SEGMENT CONDITION: Required for all shipments to/from Canada.	C			1	2300	O	1	15	1	N1					
							Only one of N402 or N407 may be present. If N406 is present, then N405 is required. If N407 is present, then N404 is required.										
34-01		City (CB)	M	AN	2/19	1	2300	O	1	15	1	N1	N401	19	O	AN	2/30
34-02		State or Province Code (CB)	M	ID	2/2	1	2300	O	1	15	1	N1	N402	156	C	ID	2/2
34-03		ZIP/Postal Code (CB)	M	ID	3/15	1	2300	O	1	15	1	N1	N403	116	O	ID	3/15
34-04		Country Code (CB) SOURCE: Code for Representation of Names of Countries, Geopolitical Entities, Names, and Codes (GENC), is represented in the National System for Geospatial Intelligence (NSG) GENC Registry and mirrored at http://www.transcom.mil/dteb/files/refdata/V_CTRY_DOD.htm. Codes for Representation of Currencies and Funds, ISO 4217, is available from American National Standards Institute.	C	ID	2/3	1	2300	O	1	15	1	N1	N404	26	C	ID	2/3
34-05		Destination SPLC (CB) Qualifier SL - U.S. SPLC	M	ID	2/2	1	2300	O	1	15	1	N1	N405	309	C	ID	1/2
34-06		Destination SPLC (CB)	M	AN	9/9	1	2300	O	1	15	1	N1	N406	310	O	AN	1/30
35		**R2 SEGMENT - Route Via**	M			1	4600	M	13								
							If R208 is present, then R207 is required.										
35-01		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	ID	2/4	1	4600	M	13				R201	140	M	ID	2/4

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
35-02		Via (Routing) SCAC Qualifier 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) *Use 'S' to denote Origin Carrier, Shipper's Routing.* V - Intermediate Switch Carrier	M	ID	1/2	1	4600	M	13				R202	133	M	ID	1/2
35-03		Interchange Location Interchange is where the carrier in R201 passes the shipment forward to the next carrier. The interchange locations should follow Rule 260. ELEMENT CONDITION: Use for all R2s except for the final R2.	C	AN	4/5	1	4600	M	13				R203	19	O	AN	2/30
35-05		Intermodal Service Code ELEMENT CONDITION: Use for intermodal shipments. If BX02 = 'X' and N711 = 'CN' or 'TL', then R205 is required.	C	ID	1/2	1	4600	M	13				R205	177	O	ID	1/2
36		**H3 SEGMENT - Accessorial/Protective Service** SEGMENT CONDITION: Use when Accessorial/Protective Service applies.	C			1	5200 Only one of H301 or H302 may be present.	O	20								
36-01		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. SOURCE: Reference Section 6.0 of this IC for code values using applicable Accessorial Services for Rail Shipments table. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: 405, AGS	M	ID	2/3	1	5200	O	20				H301	152	C	ID	2/3
37		**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).	C			1	5300 If PS03 is present, then at least one of PS04 or PS14 is required. If PS04 is present, then PS03 is required. If PS14 is present, then PS03 is required.	O	5								

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37-01		Rail Service Rule Code SOURCE: Reference Section 6.0 of this IC for code values using applicable Rail Service Rule Code table. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: 226, 515	M	ID	3/3	1	5300	O	5				PS01	746	M	ID	3/9
37-02		Protective Service Code M - Standard Mechanical Protective Service	M	ID	1/1	1	5300	O	5				PS02	241	M	ID	1/4
37-03		Temperature Qualifier ELEMENT CONDITION: Required if PS04 is used. FA - Fahrenheit	C	ID	2/2	1	5300	O	5				PS03	355	C	ID	2/2
37-04		Temperature	C	R	1/4	1	5300	O	5				PS04	408	C	R	1/4
38		**LX SEGMENT - Assigned Number**	M			1	5400	M	1	25	1	LX					
38-01		Assigned Number No leading zeros.	M	N0	1/6	1	5400	M	1	25	1	LX	LX01	554	M	N0	1/6
39		**L5 SEGMENT - Descriptions, Marks, and Numbers**	M			1	5500	M	15	25	1	LX					
							If either L503 or L504 is present, then the other is required. If L507 is present, then L506 is required. If either L508 or L509 is present, then the other is required.										
39-01		Lading Line Item Number This number matches L001. No leading zeros.	M	N0	1/3	1	5500	M	15	25	1	LX	L501	213	O	N0	1/3
39-02		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.	M	AN	1/50	1	5500	M	15	25	1	LX	L502	79	O	AN	1/50
39-03		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.	M	N0	7/7	1	5500	M	15	25	1	LX	L503	22	C	AN	1/30

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39-04		STCC Qualifier Use code value 'L' when shipping empty. L - Last Contained Contents STCC T - Standard Transportation Commodity Code (STCC)	M	ID	1/1	1	5500	M	15	25	1	LX	L504	23	C	ID	1/1
40		**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.	M			1	5700	O	1	25	2	L0					
							If either L002 or L003 is present, then the other is required. If either L004 or L005 is present, then the other is required. If either L006 or L007 is present, then the other is required. If either L008 or L009 is present, then the other is required. If L011 is present, then L004 is required. If either L013 or L015 is present, then the other is required.										
40-01		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.	M	N0	1/3	1	5700	O	1	25	2	L0	L001	213	O	N0	1/3
40-02		Billed/Rated-as Quantity 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. ELEMENT CONDITION: Use when rating a shipment on something other than weight.	C	R	1/11	1	5700	O	1	25	2	L0	L002	220	C	R	1/11
40-03		Billed/Rated-as Qualifier ELEMENT CONDITION: Use when rating a shipment on something other than weight. BA - Barrels GL - Gallon LB - Pound	C	ID	2/2	1	5700	O	1	25	2	L0	L003	221	C	ID	2/2

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40-04		Weight 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. ELEMENT CONDITION: Use L004 and L005 when the shipment is based on pounds.	C	R	1/10	1	5700	O	1	25	2	L0	L004	81	C	R	1/10
40-05		Weight Qualifier ELEMENT CONDITION: Use L004 and L005 when the shipment is based on pounds. B - Billed Weight	C	ID	1/2	1	5700	O	1	25	2	L0	L005	187	C	ID	1/2
40-06		Volume Enter value of volumetric measure. ELEMENT CONDITION: Use L006 and L007 when shipment is based on volume.	C	R	1/8	1	5700	O	1	25	2	L0	L006	183	C	R	1/8
40-07		Volume Unit Qualifier ELEMENT CONDITION: Use L006 and L007 when shipment is based on volume. G - Gallons	C	ID	1/1	1	5700	O	1	25	2	L0	L007	184	C	ID	1/1
40-08		Lading Quantity	M	N0	1/7	1	5700	O	1	25	2	L0	L008	80	C	N0	1/7
40-09		Packaging Form Code SOURCE: Reference Section 6.0 of this IC for code values using applicable Type Pack Qualifier table. Common code values associated with multiple definitions prevents documentation of the entire sub-set.	M	ID	3/3	1	5700	O	1	25	2	L0	L009	211	C	ID	3/3
40-11		Weight Unit Code ELEMENT CONDITION: Required if L004 is used. L - Pounds	C	ID	1/1	1	5700	O	1	25	2	L0	L011	188	O	ID	1/1
41		**PI SEGMENT - Tender Information**	M			1	5900	O	1	30	3	PI					
41-01		Rate Agreement Qualifier CT - Contract Number	M	ID	2/2	1	5900	O	1	30	3	PI	PI01	128	M	ID	2/3
41-02		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.	M	N0	6/6	1	5900	O	1	30	3	PI	PI02	127	M	AN	1/80

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41-03		Primary Publication Authority Code TP - Tariff Publication	M	ID	2/2	1	5900	O	1	30	3	PI	PI03	436	O	ID	2/2
41-05		Origin Carrier SCAC	M	ID	2/4	1	5900	O	1	30	3	PI	PI05	168	O	ID	1/4
41-06		Tender Alpha Prefix Carry alpha part of tender number here. Note: Same as SCAC.	M	AN	2/4	1	5900	O	1	30	3	PI	PI06	965	O	AN	1/10
41-07		Tender Supplement	C	N0	2/2	1	5900	O	1	30	3	PI	PI07	660	O	AN	1/2
42		**LS SEGMENT - Loop Header** SEGMENT CONDITION: Use this loop to describe HAZMAT (LH1 loop) items.	C			1	6700	O	1								
42-01		Loop Identifier Code Whole number incremented by 1 for each LH1 loop.	M	N0	1/4	1	6700	O	1				LS01	447	M	AN	1/4
43		**LH1 SEGMENT - HAZMAT Quantities** LOOP CONDITION: This loop occurs for each HAZMAT line item described in the LX loop in position 540.	C			1	6800	O	1	1000	1	LH1					
43-01		HAZMAT - Unit of Measure Code SOURCE: Reference Section 6.0 of this IC for code values using applicable HAZMAT Unit of Measure Code table. Common code values associated with multiple definitions prevents documentation of the entire sub-set. Sample Values: AB, BD	M	ID	2/2	1	6800	O	1	1000	1	LH1	LH101	355	M	ID	2/2
43-02		HAZMAT - Lading Quantity Contains the number of units (pieces) of the lading commodity. Reference 49 CFR 172.202(c).	M	N0	1/7	1	6800	O	1	1000	1	LH1	LH102	80	M	N0	1/7
43-03		UN/NA Identification Code Contains the United Nations/North America (UN/NA) code.	M	ID	6/6	1	6800	O	1	1000	1	LH1	LH103	277	O	ID	6/6
43-05		STCC From 858, L503. Must contain 7 digit numeric hazardous material response code (HMRC).	M	N0	7/7	1	6800	O	1	1000	1	LH1	LH105	22	O	AN	1/30

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Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
43-06		HAZMAT - Unit of Measure Code 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). ELEMENT CONDITION: Use the unit of measure codes only for quantity or volume of non-bulk hazardous shipments. Sample Values: AB, BD	C	ID	2/2	1	6800	O	1	1000	1	LH1	LH106	355	O	ID	2/2
43-07		HAZMAT - Non-Bulk Quantity ELEMENT CONDITION: 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.	C	R	1/15	1	6800	O	1	1000	1	LH1	LH107	380	O	R	1/15
43-09		Residue Indicator Code ELEMENT CONDITION: 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 denote Last Contained Contents. R - Residue Last Contained Description (Rail Car)	C	ID	1/1	1	6800	O	1	1000	1	LH1	LH109	665	O	ID	1/1
43-10		Packing Group Code ELEMENT CONDITION: 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.	C	ID	1/3	1	6800	O	1	1000	1	LH1	LH110	254	O	ID	1/3
44		**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.	C			1	6900	O	4	1000	1	LH1					
							If either LH206 or LH207 is present, then the other is required. If either LH208 or LH209 is present, then the other is required. If either LH210 or LH211 is present, then the other is required. If either LH212 or LH213 is present, then the other is required.										
44-01		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.	M	ID	1/30	1	6900	O	4	1000	1	LH1	LH201	215	O	ID	1/30
44-02		Hazardous Class Qualifier Use code value 'S' for Canadian shipments. P - Primary S - Secondary	M	ID	1/1	1	6900	O	4	1000	1	LH1	LH202	983	O	ID	1/1

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
44-05		Reportable Quantity Code For empty packagings or units containing the residue of a hazardous material, reference 49 CFR 172.203(e). ELEMENT CONDITION: Element required when necessary to indicate a reportable quantity is present in the shipment. RQ - Reportable Quantity	C	ID	2/2	1	6900	O	4	1000	1	LH1	LH205	759	O	ID	2/2
44-06		HAZMAT Flashpoint Temperature Code ELEMENT CONDITION: Required when LH207 is used. CE - Centigrade, Celsius FA - Fahrenheit	C	ID	2/2	1	6900	O	4	1000	1	LH1	LH206	355	C	ID	2/2
44-07		HAZMAT Flashpoint Temperature	C	R	1/4	1	6900	O	4	1000	1	LH1	LH207	408	C	R	1/4
44-12		Weight Unit Code E - Metric Ton G - Grams K - Kilograms L - Pounds M - Measurement Ton O - Ounces S - Short Ton T - Long Ton	M	R	1/1	1	6900	O	4	1000	1	LH1	LH212	188	C	ID	1/1
44-13		Net Explosive Quantity Net Explosive Quantity is the actual weight of exploive mixtures or compounds (e.g., weight of the gun power).	M	N0	1/10	1	6900	O	4	1000	1	LH1	LH213	267	C	N0	1/10
45		**LH3 SEGMENT - Hazardous Material Shipping Name** SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.	C			1	7000 If either LH301 or LH302 is present, then the other is required.	O	10	1000	1	LH1					
45-01		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.	M	AN	1/25	1	7000	O	10	1000	1	LH1	LH301	224	C	AN	1/25

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
45-02		Hazardous Material Shipping Name Qualifier C - Canadian Shipping Name D - Domestic (United States) Shipping Name I - International Shipping Name	M	ID	1/1	1	7000	O	10	1000	1	LH1	LH302	984	C	ID	1/1
45-03		NOS Indicator Code ELEMENT CONDITION: If this field is used, an LFH segment must follow using code value 'TEC' in LFH01. NOS - N.O.S. Regulatory Requirements Apply	C	ID	3/3	1	7000	O	10	1000	1	LH1	LH303	985	O	ID	3/3
46		**LFH SEGMENT - Hazardous Material Additional Shipment Information** SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.	C			1	7100 If either LFH05 or LFH06 is present, then the other is required.	O	20	1000	1	LH1					
46-01		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. ADI - Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper DWW - "Dangerous When Wet" Declaration HOT - Identifies Products in a Heated Molten State HZC - Hazardous Substance Constituents LQY - "Limited Quantity" Declaration MOS - Maximum Operating Speed MPI - Marine Pollutant PIH - "Poison - Inhalation Hazard" Declaration POI - "Poison" Declaration RAM - Radioactive Material Data TEC - Technical or Chemical Group Name	M	ID	3/3	1	7100	O	20	1000	1	LH1	LFH01	808	M	ID	3/3

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
46-02		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 value 'Poisonous - Inhalation Hazard, Zone X', where X is the code designated in LFH04. If LFH01 = 'HOT', enter value '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 value 'Ltd Qty' or 'Limited Quantity'. If LFH01 = 'HZC', enter value 'Hazardous substance constituents.' If LFH01 = 'MOS', enter value 'Maximum operating speed.' If LFH01 = 'MPI', enter value 'Marine Pollutant.' If LFH01 = 'POI', enter value '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.	M	AN	1/25	1	7100	O	20	1000	1	LH1	LFH02	809	M	AN	1/25
46-03		Hazardous Material Additional Shipment Information ELEMENT CONDITION: 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.	C	AN	1/25	1	7100	O	20	1000	1	LH1	LFH03	809	O	AN	1/25
46-04		Hazard Zone Code Contains the code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone. ELEMENT CONDITION: Use applicable Hazard Zone Code when LFH01 = PIH. A - Hazard Zone A B - Hazard Zone B C - Hazard Zone C D - Hazard Zone D	C	ID	1/1	1	7100	O	20	1000	1	LH1	LFH04	1023	O	ID	1/1
47		**LH4 SEGMENT - Canadian Dangerous Requirements** SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.	C			1	7300	O	4	1000	1	LH1	If either LH401 or LH402 is present, then the other is required. If either LH408 or LH412 is present, then the other is required.				
47-01		Emergency Response Plan Number Required if the commodity is listed in Schedule XII of the Canadian TDG regulations.	M	AN	1/12	1	7300	O	4	1000	1	LH1	LH401	238	C	AN	1/12
47-02		Communication Number Required if LH401 is present.	M	AN	1/80	1	7300	O	4	1000	1	LH1	LH402	364	C	AN	1/256
47-07		Subsidiary Risk Indicator I - Potentially Very Damaging To The Eyes	C	ID	1/2	1	7300	O	4	1000	1	LH1	LH407	271	O	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 Lvl	Lp ID	Ref Des	DE #	Attributes		
47-08		Net Explosive Quantity ELEMENT CONDITION: Use for Class 1 Dangerous Goods - express the net weight of the explosive quantity.	C	N0	1/6	1	7300	O	4	1000	1	LH1	LH408	267	C	N0	1/10
47-09		Canadian Hazardous Notation ELEMENT CONDITION: Use only if transporting "Anhydrous Ammonia" - UN1005	C	AN	1/25	1	7300	O	4	1000	1	LH1	LH409	805	O	AN	1/25
47-10		Special Commodity Indicator Code Code indicating special commodity as identified by the Transportation of Dangerous Goods Act and Regulation. S - Positive Indicator	C	ID	1/1	1	7300	O	4	1000	1	LH1	LH410	986	O	ID	1/1
47-12		Unit or Basis for Measurement Code Identifies unit of measure in LH408. KG - Kilogram PN - Pounds Net	C	ID	2/2	1	7300	O	4	1000	1	LH1	LH412	355	C	ID	2/2
48		**LHT SEGMENT - Transborder Hazardous Requirements** SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.	C			1	7400	O	3	1000	1	LH1					
48-01		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.	M	ID	1/30	1	7400	O	3	1000	1	LH1	LHT01	215	O	ID	1/30
49		**LHR SEGMENT - Hazardous Material DOT Explosive Approval Number** SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.	C			1	7500	O	5	1000	1	LH1					
49-01		HAZMAT - DOT Explosive Approval Number Qualifier HD - Department of Transportation Hazardous Number	M	ID	2/3	1	7500	O	5	1000	1	LH1	LHR01	128	M	ID	2/3
49-02		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).	M	AN	1/80	1	7500	O	5	1000	1	LH1	LHR02	127	M	AN	1/80
49-03		Date	C	DT	8/8	1	7500	O	5	1000	1	LH1	LHR03	373	O	DT	8/8

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
50		**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.)	C			1	7500	O	5	1000	1	LH1					
50-01		HAZMAT - DoD Identification Code (DoDIC) Qualifier Required if the HAZMAT shipment contains ammunition. Code value should be read as 'one eye'. 1I - Department of Defense Identification Code (DoDIC)	M	ID	2/3	1	7500	O	5	1000	1	LH1	LHR01	128	M	ID	2/3
50-02		HAZMAT - DoD Identification Code (DoDIC) Mandatory for all ammunition and explosives. Also called Navy Ammunition Logistics Code (NALC).	M	AN	4/4	1	7500	O	5	1000	1	LH1	LHR02	127	M	AN	1/80
51		**LHR SEGMENT - Competent Authority Approval Number** SEGMENT CONDITION: Required if shipment is HAZMAT and LH1 is used.	C			1	7500	O	5	1000	1	LH1					
51-01		Competent Authority Approval Number Qualifier HA - Competent Authority	M	ID	2/2	1	7500	O	5	1000	1	LH1	LHR01	128	M	ID	2/3
51-02		Competent Authority Approval Number 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.	M	AN	10/10	1	7500	O	5	1000	1	LH1	LHR02	127	M	AN	1/80
52		**LHR SEGMENT - DOT Exemption (DOT-E) Number** SEGMENT CONDITION: Required if shipment is HAZMAT and LH1is used.	C			1	7500	O	5	1000	1	LH1					
52-01		DOT Exemption (DOT-E) Number Qualifier HE - Hazardous Exemption Number	M	ID	2/2	1	7500	O	5	1000	1	LH1	LHR01	128	M	ID	2/3
52-02		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).	M	S	1/30	1	7500	O	5	1000	1	LH1	LHR02	127	M	AN	1/80
53		**LHR SEGMENT - Int'n Maritime Dangerous Goods Code** SEGMENT CONDITION: Use this segment if the HAZMAT shipment requires international regulation.	C			1	7500	O	5	1000	1	LH1					

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
53-01		HAZMAT - Int'n Maritime Dangerous Goods Code (IMDG) Qualifier IM - Intergovernmental Maritime Organization (IMO) Number	M	ID	2/2	1	7500	O	5	1000	1	LH1	LHR01	128	M	ID	2/3
53-02		HAZMAT - Int'n Maritime Dangerous Goods Code (IMDG)	M	AN	1/30	1	7500	O	5	1000	1	LH1	LHR02	127	M	AN	1/80
54		**PER SEGMENT - Canadian Shipment Contact** SEGMENT CONDITION: Required for all HAZMAT shipments.	C			1	7550	O	5	1000	1	LH1					
							If either PER03 or PER04 is present, then the other is required. If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.										
54-01		Contact Function Code HM - Hazardous Material Contact	M	ID	2/2	1	7550	O	5	1000	1	LH1	PER01	366	M	ID	2/2
54-03		Communication Number Qualifier TE - Telephone	M	ID	2/2	1	7550	O	5	1000	1	LH1	PER03	365	C	ID	2/2
54-04		Communication Number The words "24 hour number" must appear before the telephone number for Canadian shipments only.	M	AN	7/80	1	7550	O	5	1000	1	LH1	PER04	364	C	AN	1/256
55		**LE SEGMENT - Loop Trailer** SEGMENT CONDITION: Use this segment if LS segment is used.	C			1	7600	O	1								
55-01		Loop Identifier Code Use same value as LS01.	M	N0	1/4	1	7600	O	1				LE01	447	M	AN	1/4
56		**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.	C			1	7700	O	5								
							If either PER03 or PER04 is present, then the other is required. If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.										
56-01		Shipment Contact Qualifier If shipment is to Canada and HAZMAT, use additional PER segment for additional Canadian HAZMAT contact. HM - Hazardous Material Contact	M	ID	2/2	1	7700	O	5				PER01	366	M	ID	2/2
56-02		Contact Name	C	AN	1/60	1	7700	O	5				PER02	93	O	AN	1/60
56-03		Communications Qualifier TE - Telephone	M	ID	2/2	1	7700	O	5				PER03	365	C	ID	2/2

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
56-04		Shipment Contact Telephone Number Telephone number of shipment POC.	M	AN	7/21	1	7700	O	5				PER04	364	C	AN	1/256
57		**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.	C			1	7700	O	5								
							If either PER03 or PER04 is present, then the other is required. If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.										
57-01		Canadian Shipment Contact Qualifier CN - General Contact *Use 'CN' to denote Canadian Contact.*	M	ID	2/2	1	7700	O	5				PER01	366	M	ID	2/2
57-03		Canadian Communications Qualifier TE - Telephone	M	ID	2/2	1	7700	O	5				PER03	365	C	ID	2/2
57-04		Canadian Shipment Contact Telephone Number Telephone number of shipment POC.	M	AN	7/21	1	7700	O	5				PER04	364	C	AN	1/256
58		**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.	C			1	7700	O	5								
							If either PER03 or PER04 is present, then the other is required. If either PER05 or PER06 is present, then the other is required. If either PER07 or PER08 is present, then the other is required.										
58-01		Emergency Contact Qualifier EF - Emergency Contact-Military Surface Deployment and Distribution Command (SDDC) *Use 'EF' to denote Emergency Contact - Military Surface Deployment and Distribution Command (SDDC) (Formerly MTMC).*	M	ID	2/2	1	7700	O	5				PER01	366	M	ID	2/2
58-03		Communication Qualifier TE - Telephone	M	ID	2/2	1	7700	O	5				PER03	365	C	ID	2/2
58-04		Emergency Contact Telephone Number	M	AN	7/21	1	7700	O	5				PER04	364	C	AN	1/256
59		**LH6 SEGMENT - Hazardous Certification** SEGMENT CONDITION: Use only for HAZMAT shipments.	C			1	8000	O	5								
							If either LH602 or LH603 is present, then the other is required.										
59-01		HAZMAT - Certifying Person (49 CFR Compliance) If unknown enter value 'Transportation Officer'. Sample Values: Transportation Officer	M	AN	1/35	1	8000	O	5				LH601	93	O	AN	1/60
60		**SE SEGMENT - Rail Carrier Information Trailer**	M			1	8400	M	1								

DoD INFORMATION						X12 SEGMENT INFORMATION							X12 ELEMENT INFORMATION				
Index	DG	Data Name Notes and Codes	DoD Recommended Attributes			Tabl	Pos	Req Des	Max Use	Lp Rpt	Lp Lvl	Lp ID	Ref Des	DE #	Attributes		
60-01		Number of Included Segments Total segments in this transaction set including the ST and SE segments.	M	N0	1/10	1	8400	M	1				SE01	96	M	N0	1/10
60-02		Transaction Set Control Number This data element ends the transaction set and should match the number that appears in the ST02 that begins the transaction set.	M	AN	4/9	1	8400	M	1				SE02	329	M	AN	4/9

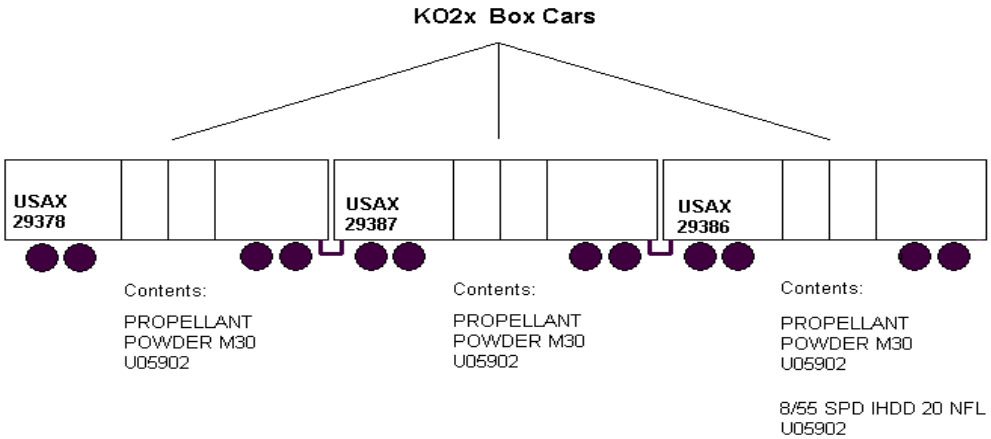
Section 5.0

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 non-hazardous 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 02020000007602047115012002 2NL004013  47EPLRGBLM2456081000
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 02020000007602047115012002 2NL004013  47EPLRGBLG2456081000
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
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EXAMPLE 404 for SHIPMENT with IDLER CARS

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ISA*04*SW404     *00*          *02*DDOF          *01*CSXT          *040907*1602*U*00400*000001278*0*P*|

GS*SR*DDOF*CSXT*20040907*1602*1278*X*005030

ST*404*0001
BX*00*R*PP**CSXT*L*B
BNX*A**S
M3*R*20040907*1537*ET
N9*BM*W37QLQ0011649**20040907*1537*ET
DTM*196*20040907
DTM*002*20040927
N7*DODX*40205*50400*N*******RR
N7*DODX*39825*257300*N*******ID
N7*DODX*37134*257300*N*******ID
F9**INNESS*SC*****447178000
D9**KILEEN*TX*****846177250
N1*N1*TRANSPORTATION OFFICER
N3*BLDG 9630
N4*FT LEWIS*WA*984335000*US*SL*846177250
N1*SF*841ST TRANSPORTATION BATTALION
N3*Wharf A*843-743-0446 X197
N4*Goose Creek--Innis*SC*29445*US*SL*447178000
N1*CN*TRANSPORTATION OFFICER
N3*BLDG 9630
N4*FT LEWIS*WA*984335000*US
N1*SH*SDDC 841ST TRANSPORTATION BATT
N3*ATTN: MTDC-SOC-TMF BLDG 3304*1050 REMOUNT RD
N4*CHARLESTON*SC*29406*US
N1*PF*U.S. BANK - POWER TRACK
N3*1010 SOUTH 7TH STREET
N4*MINNEAPOLIS*MN*55415
R2*CSXT*S*MEMPH
R2*BNSF*1
H3*405
LX*100
L5*1*Military Impedimenta, campequipage, subsistence/me*4111710*T
L0*1***50400*B***1*VOC**L
PI*CT*999999*TP**CSXT*CSXT*00
SE*33*0001

GE*19*1278
IEA*1*000001278
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SAMPLE TRANSACTIONS FOR CONTAINERIZED INTERMODAL SHIPMENTS

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ISA*04*SW404     *00*          *02*DDOF          *01*CSXT          *040729*1432*U*00400*000001217*0*P*|
GS*SR*DDOF*CSXT*20040729*1432*1217*X*005030
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
M3*R*20040729*1420*ET
N9*BM*W36QLP0002595**20040729*1420*ET
DTM*196*20040802
DTM*002*20040820
N7*USFU*000067*6720*N*******CN
NA***DODX*42340
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
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*42340
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*0009
ST*404*0010
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*000100*6720*N*******CN
NA***DODX*42340
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*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
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*42340
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*0011
ST*404*0012
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*48767
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*0012
ST*404*0013
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*000108*6720*N*******CN
NA***DODX*48767
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*0013
ST*404*0014
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*48767
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*0014
ST*404*0015
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*000108*6720*N*******CN
NA***DODX*48767
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*0015
ST*404*0016
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*000065*6720*N*******CN
NA***DODX*48792
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*0016
ST*404*0017
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*000078*6720*N*******CN
NA***DODX*48792
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*0017
ST*404*0018
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*48792
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*0018
ST*404*0019
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*48792
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*005030
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, IncludingTractors (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 freight bill of lading data to the ASC X12 Transaction Set 404. PLEASE NOTE: Tables display X12 Code Definitions where DoD definitions differ.

[36-01] – Accessorial/Protective Service Code

404 Mapping: 1 520 H301 152

Accessorial Service for Rail Shipments

DoD Code	X12 Code		DOD Definition
	405 *X12 Definition:*		Fuel Surcharge Authorized *Fuel Surcharge*
	AAM *X12 Definition:*		Materials *Additional Material*
AA	AAS		Attendants Accompanying
	AGS *X12 Definition:*		Rail Armed Guard Surveillance Service *Armed Guard Service*
RG	ARG		Rail Armed Guard Service
BB	BLK *X12 Definition:*		Blocking, Bracing and Tie Down Services for Vehicles and Military tractor tanks *Blocking and Bracing*
CG	CCS		Carrier Caboose Charge
CG	CGC *X12 Definition:*		Carrier Guard Cars *Carrier Guard Car Service*
CG	CGR *X12 Definition:*		Government Caboose/Guard Cars Returned *Return Carrier Guard Car Service*
	CRD		Crane at Destination
	CRO		Crane at Origin
CG	CSP		Government Caboose Charge
	DPD *X12 Definition:*		Drayage at Destination *Drayage at Port of Debarkation*
	DPE *X12 Definition:*		Drayage at Origin *Drayage at Port of Embarkation*
CG	GSP		Government Guard Car Charge
GS	GSS		Greater Security Service
HW	HW		High Wide Load
	INL		Inspector Requested for Loading
	IS *X12 Definition:*		Greater Security Service *Surveillance Service*
	LDA *X12 Definition:*		Loading by Transportation Service Provider *Carrier to Load*
	LDL *X12 Definition:*		Unloading by Transportation Service Provider *Carrier to Unload*
	LFD *X12 Definition:*		Dedicated Switch Engine Crew at Destination *Linehaul from Port of Debarkation*

	LMD *X12 Definition:*		Dedicated Switch Engine at Destination *Liner Terms at Port of Debarkation*
	LME *X12 Definition:*		Dedicated Switch Engine at Origin *Line Terms at Port of Embarkation*
	LTE *X12 Definition:*		Dedicated Switch Engine Crew at Origin *Linehaul to Port of Embarkation*
	PRD		Portable Ramps at Destination
	PRO		Portable Ramps at Origin
	RDH *X12 Definition:*		Technical Assistance for Loading Rail Cars *Railhead Handling*
RI	RIS	M	Rail Inspection Service
RV	RLS		Relocation of Vehicle
	RS *X12 Definition:*		Rail Inspection Service *Inspect Hourly if Car Stopped*
SS	SFT		Special Train Service
	TER *X12 Definition:*		TSP to Unblock, Unbrace and/or Untie *Terminal Charge*

M Migration code

[37-01] – 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

X12 Code	DoD Definition
226	Stop for icing
240	Initially iced by shipper - Do not re-ice
242	Top Iced by shipper at origin
245	Pre-cooled and pre-iced 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

[40-09] – Packaging Form Code

404 Mapping: 2 145 L009 211

[43-01] – HAZMAT – Unit of Measure Code

404 Mapping: 2 170 LH101 355

[43-06] – HAZMAT – Unit of Measure Code

404 Mapping: 2 170 LH106 355

DOD Code	X12 Code	DOD Definition	LH101 355 [43-01]	LH106 355 [43-06]
AB	MSV	MSCVAN	CH	
	X12 Definition:	*MSCVAN – Military Sealift Command Van*		
BD	BDL	Bundle	BD	
BE	BAL	Bale	BA	
BG	BAG	Bag, Burlap or Cloth	BG	
	X12 Definition:	*Bag*		
BL	BBL	Barrel	BR	
BS	BSK	Basket	BS	
	X12 Definition:	*Basket or Hamper*		
BX	BOX	Box	BX	
CA	CAB	Cabinet		
CB	CBY	Carboy	CB	
CC	CNA	Household Goods Container, Wood	CH	CH
	X12 Definition:	*Household Goods Container*		
CL	COL	Coil	CX	
CM	CNB	Container, MAC-ISO, lt. wgt. 8x8x20 foot air	CH	CH
	X12 Definition:	*Container*		
CN	CAN	Can	CN	
CO	CNT	Container, other than CC, CM, CU, CW, MW, MX	CH	CH
	X12 Definition:	*Container*		
CR	CRT	Crate	CP	CP
CS	CAS	Case	CA	
CT	CTN	Carton	CT	CT
CU	CNC	Container, Navy Cargo Transporter	CH	CH
	X12 Definition:	*Container*		
CW	CND	Container, Commercial Highway Lift	CH	CH
	X12 Definition:	*Container*		
CY	CYL	Cylinder	CL	CL
DB	DUF	Dufflebag		
	X12 Definition:	*Duffle Bag*		
DR	DRM	Drum	DR	DR
EC	CNE	Engine Container	CH	CH
ED	CRD	Engine Cradle or Dolly		
	X12 Definition:	*Cradle*		
EN	ENV	Envelope	EV	EV
FK	TRK	Footlocker (Trunk)		
	X12 Definition:	*Trunk and Chest*		
HA	HPR	Hamper		

KE	KEG		Keg	KE	KE
LP	PLL	M	463L Air Pallet	PF	PF
LS	LSE *X12 Definition:*		Loose, Not Packed *Loose*		
MW	CNF		Multiwall Container Secured to Warehouse Pallet	CH	CH
MX	MXD *X12 Definition:*		Mixed *Mixed Type Pack*	MX	MX
PC	PCS		Piece	PC	PC
PL	PAL		Pail	PA	PA
PT	PLT *X12 Definition:*		Palletized Unit Load other than code MW *Pallet*	PL	PL
RL	REL		Reel	RE	RE
RO	ROL		Roll	RL	RL
RT	WHE *X12 Definition:*		RORO (Roll-Off, Roll-On) *On Own Wheel*		
SA	SAK *X12 Definition:*		Sack, Paper *Sack*	SJ	SJ
SB	SKE *X12 Definition:*		Skid, Box *Skid*		
SD	SKD		Skid	SV	SV
SH	SHT		Sheet	SH	SH
SL	SPL		Spool	SO	SO
SW	SCS		Suitcase		
TB	TUB		Tub		
TC	TKR		Tank Car	TK	TK
TK	TRU		Truck	TK	
TT	TKT		Tank Truck	TK	TK
TU	TBE		Tube	TB	TB
UX	UNT *X12 Definition:*		Unitized (use RT for unitized cargo on RORO) *Unit*		
VC	VPK *X12 Definition:*		Van Chassis *Van Pack*		
VE	VEH		Vehicle	NV	NV
VO	VOC		Vehicle in Operating Condition	ZZ	ZZ
VS	TBN *X12 Definition:*		SEAVAN – TOTE *Tote Bin*	TE	TE
WR	WRP		Wrapped	WR	WR
X1	CNX *X12 Definition:*		CONEX (Government Owned Container) *CONEX – Container Express*	CH	CH
YB	MLV *X12 Definition:*		MILVAN *MILVAN – Military Van*	CH	
ZB	SVN *X12 Definition:*		SEAVAN *SEAVAN – Sea Van*	CH	CH

Section 9.0

ADDITIONAL INFORMATION FOR THE DEVELOPER

This section provides additional programming information.

Development History

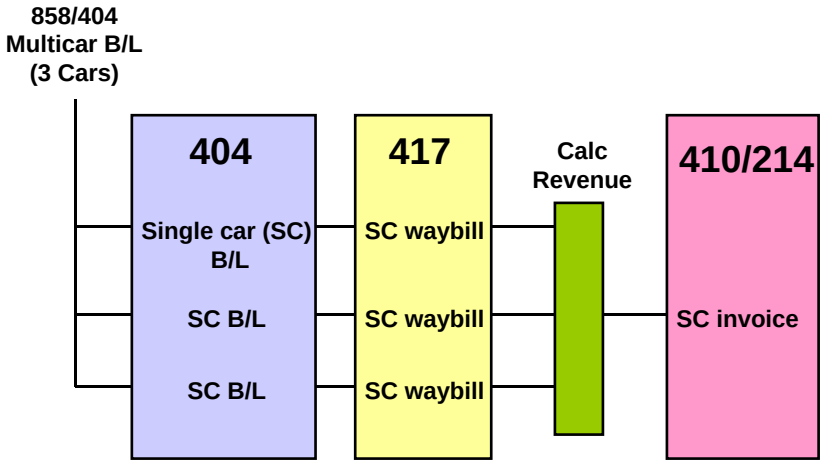
The Management Reform Memorandum (MRM) #15 Rail Working Group met over the months of February to May 2000 to discuss the generation of an Implementation Convention for the Rail 404. This section describes the various issues and problems that arose during these meetings and their proposed resolution.

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

```
858                 858
 ├── 404             ├── 998
 └── 404             └── 998
```

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

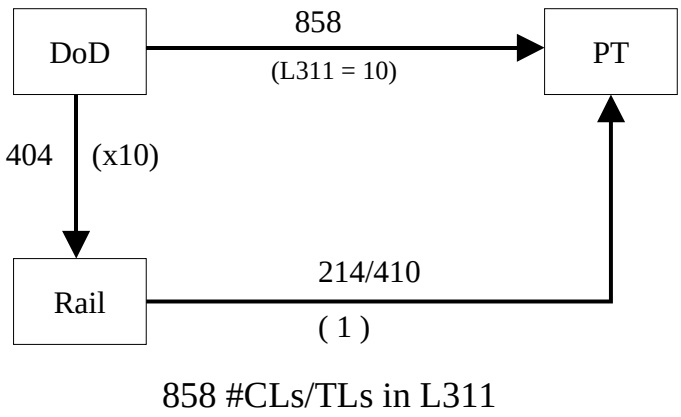
Table 9.1

Segment	**Data Required**
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

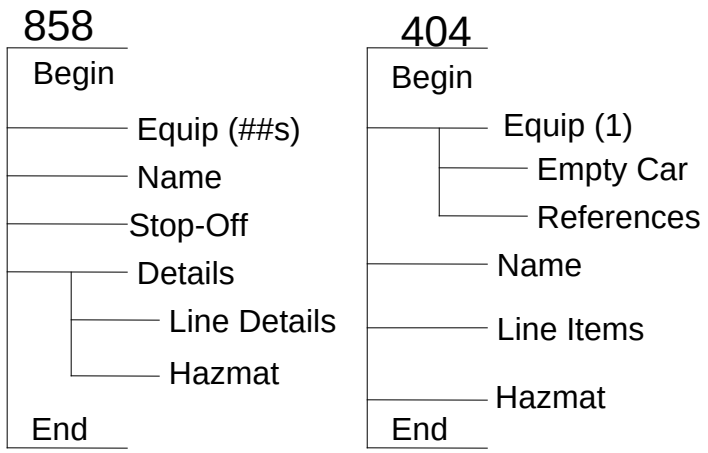
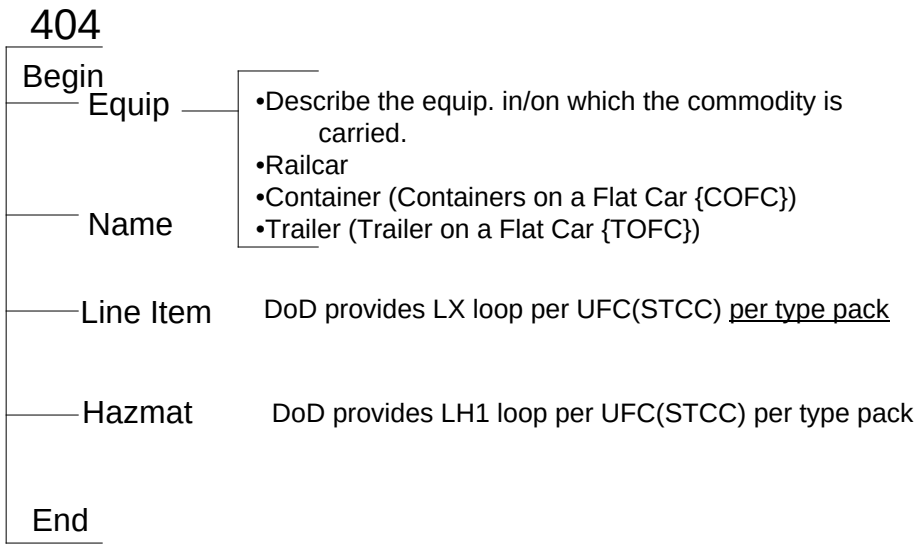


Figure 9.5 describes the summary mapping logic used while preparing this 404 Implementation Convention.

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

404	**TOFC/COFC**	**Rail Car**
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

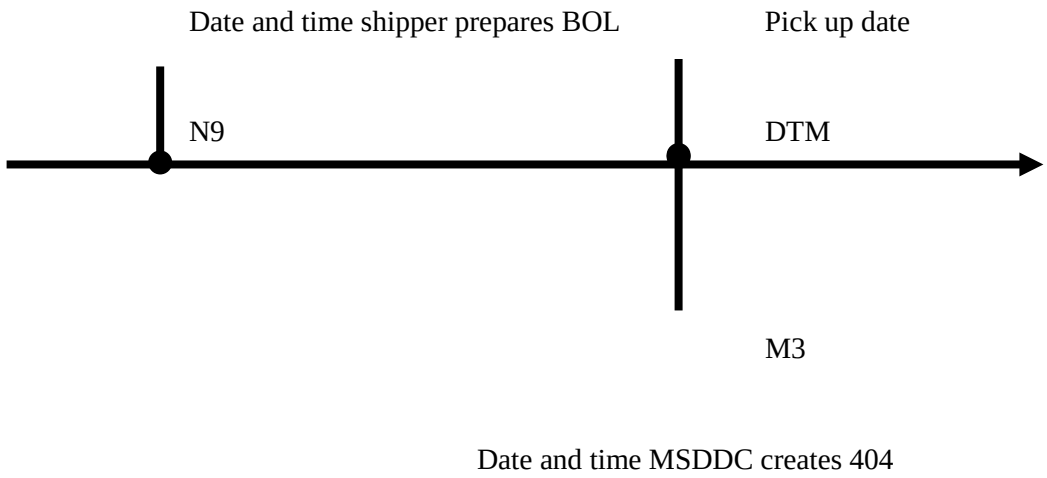
- Hazmat

LX
L5 ~4950130
…
LH1
LH1
LH1

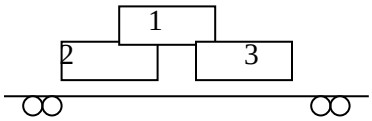
DATES AND TIMES

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:

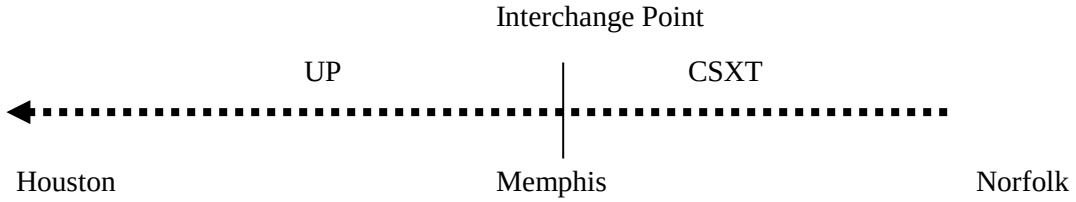
Segment	Position	Code Required
BNX	01	blank
BX	07	E
L5	04	L
LH1	09	R

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

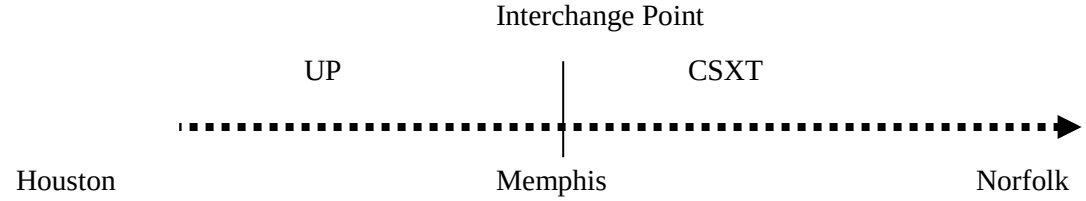


R2 ~ CSXT ~ S ~ MEMPH

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.

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.