

# 417 Rail Carrier Waybill Interchange

Functional Group ID= **WB**

## Introduction:

This X12 Transaction Set contains the format and establishes the data contents of the Rail Carrier Waybill Interchange Transaction Set (417) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the rail carrier with detailed movement instructions pertinent to a rail carrier shipment and is used by all Class I rail carriers in the United States and Canada.

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	0100	ST	Transaction Set Header	M	1		
	0200	ZC1	Beginning Segment for Data Correction or Change	O	1		
	0300	BX	General Shipment Information	O	1		n1
	0400	BNX	Rail Shipment Information	O	1		
	0500	N9	Extended Reference Information	O	30		
	0600	CM	Cargo Manifest	O	2		
	0700	DTM	Date/Time Reference	O	5		
						LOOP ID - N7	500
M	0800	N7	Equipment Details	M	1		
	0810	EM	Equipment Characteristics	O	1		
						LOOP ID - VC	36
	0900	VC	Motor Vehicle Control	O	1		
						LOOP ID - N1	2
	0920	N1	Party Identification	O	1		
	0940	N3	Party Location	O	2		
	0960	N4	Geographic Location	O	1		
	0980	H3	Special Handling Instructions	O	1		
	1000	IC	Intermodal Chassis Equipment	O	1		
	1100	IM	Intermodal Movement Information	O	1		
	1200	M12	In-bond Identifying Information	O	2		
	1300	G4	Scale Identification	O	1		
	1400	M7	Seal Numbers	O	5		
	1500	N5	Equipment Ordered	O	1		
	1600	H5	Car Service Order	O	1		
						LOOP ID - E1	2
	1610	E1	Empty Car Disposition - Pended Destination Consignee	O	1		
	1620	E4	Empty Car Disposition - Pended Destination City	O	1		
	1630	E5	Empty Car Disposition - Pended Destination Route	O	13		
	1640	PI	Price Authority Identification	O	1		
	1650	GA	Canadian Grain Information	O	15		
						LOOP ID - REF	99
	1670	REF	Reference Information	O	1		
	1680	N10	Quantity and Description	O	15		
						LOOP ID - N1	5

	1690	N1	Party Identification	O	1
	1700	N3	Party Location	O	1
	1720	N4	Geographic Location	O	1
	1750	IMA	Interchange Move Authority	O	3
M	1800	N8	Waybill Reference	M	499
	1810	N8A	Additional Reference Information	O	499
	1900	V9	Event Detail	O	1
M	2000	F9	Origin Station	M	1
M	2100	D9	Destination Station	M	1
			LOOP ID - N1		15
M	2200	N1	Party Identification	M	1
	2250	N2	Additional Name Information	O	2
	2300	N3	Party Location	O	2
	2400	N4	Geographic Location	O	1
	2450	REF	Reference Information	O	2
	2500	PER	Administrative Communications Contact	O	2
	2620	BL	Billing Information	O	12
			LOOP ID - S1		12
	4400	S1	Stop-off Name	O	1
	4500	S2	Stop-off Address	O	2
	4580	S9	Stop-off Station	O	1
	4590	N1	Party Identification	O	1
	4600	N2	Additional Name Information	O	1
	4610	N3	Party Location	O	1
	4620	N4	Geographic Location	O	1
	4630	PER	Administrative Communications Contact	O	1
M	4700	R2	Route Information	M	13
	4850	R9	Route Code Identification	O	1
			LOOP ID - E1		2
	4900	E1	Empty Car Disposition - Pended Destination Consignee	O	1
	5000	E4	Empty Car Disposition - Pended Destination City	O	1
	5100	E5	Empty Car Disposition - Pended Destination Route	O	13
	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
	5700	L0	Line Item - Quantity and Weight	O	1
	5750	MEA	Measurements	O	3
	5900	PI	Price Authority Identification	O	30
	5950	X1	Export License	O	6
			LOOP ID - T1		64
	6000	T1	Transit Inbound Origin	O	1
	6100	T2	Transit Inbound Lading	O	30

	6200	T3	Transit Inbound Route	O	12	
	6300	T6	Transit Inbound Rates	O	1	
	6400	T8	Free-form Transit Data	O	99	
	6600	LS	Loop Header	O	1	
			<b>LOOP ID - LH1</b>		<b>1000</b>	
	6700	LH1	Hazardous Identification Information	O	1	
	6800	LH2	Hazardous Classification Information	O	4	n2
	6900	LH3	Hazardous Material Shipping Name Information	O	10	
	7000	LFH	Free-form Hazardous Material Information	O	20	
	7100	LEP	EPA Required Data	O	3	
	7200	LH4	Canadian Dangerous Requirements	O	4	
	7300	LHT	Transborder Hazardous Requirements	O	3	
	7400	LHR	Hazardous Material Identifying Reference Numbers	O	5	
	7450	PER	Administrative Communications Contact	O	5	
			<b>LOOP ID - N1</b>		<b>10</b>	
	7460	N1	Party Identification	O	1	
	7470	N3	Party Location	O	2	
	7480	N4	Geographic Location	O	1	
	7490	PER	Administrative Communications Contact	O	2	
	7500	LE	Loop Trailer	O	1	
	7600	PER	Administrative Communications Contact	O	5	
	7700	LH2	Hazardous Classification Information	O	6	n3
	7800	LHR	Hazardous Material Identifying Reference Numbers	O	1	
	7850	XH	Pro Forma - B13 Information	O	1	
	7900	X7	Customs Information	O	10	
M	8100	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:**  
**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:**

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b><u>Des.</u></b>	<b><u>Element</u></b>	<b><u>Name</u></b>	<b><u>Attributes</u></b>
M	ST01 143	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 3/3
M	ST02 329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M 1 AN 4/9
	ST03 1705	<b>Implementation Convention Reference</b> Reference assigned to identify Implementation Convention	O 1 AN 1/35

**Segment:** **ZC1** Beginning Segment for Data Correction or Change  
**Position:** 0200  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit identifying numbers, dates, and other basic data relating to the transaction set  
**Syntax Notes:**  
**Semantic Notes:** 1 If ZC108 is "R" (Rail), then ZC102 is required.  
 2 ZC109 is the equipment check digit for the equipment number in ZC103.  
**Comments:** 1 For any rail shipment, ZC102 is required.

**Data Element Summary**

Ref.	Data						<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Name</u>					
ZC101	145	<b>Shipment Identification Number</b>					<b>O 1 AN 1/30</b>
		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)					
	ZC102	<b>Equipment Initial</b>					<b>O 1 AN 1/4</b>
		Prefix or alphabetic part of an equipment unit's identifying number					
M	ZC103	<b>Equipment Number</b>					<b>M 1 AN 1/15</b>
		Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)					
M	ZC104	<b>Transaction Reference Number</b>					<b>M 1 AN 1/50</b>
		Sender's assigned number for referenced transaction set					
M	ZC105	<b>Transaction Reference Date</b>					<b>M 1 DT 8/8</b>
		Date of referenced transaction set expressed in format CCYYMMDD where CC represents the first two digits of the calendar year					
M	ZC106	<b>Correction Indicator</b>					<b>M 1 ID 2/2</b>
		Code used to indicate that the transaction set contains information which corrects previous information					
		Refer to 005010 Data Element Dictionary for acceptable code values.					
M	ZC107	<b>Standard Carrier Alpha Code</b>					<b>M 1 ID 2/4</b>
		Standard Carrier Alpha Code					
M	ZC108	<b>Transportation Method/Type Code</b>					<b>M 1 ID 1/2</b>
		Code specifying the method or type of transportation for the shipment					
		Refer to 005010 Data Element Dictionary for acceptable code values.					
	ZC109	<b>Equipment Number Check Digit</b>					<b>O 1 N0 1/1</b>
		Number which designates the check digit applied to a piece of equipment					

**Segment:** **BX** General Shipment Information  
**Position:** 0300  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit identification numbers and other basic shipment data  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	BX01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
M	BX02	91	<b>Transportation Method/Type Code</b> Code specifying the method or type of transportation for the shipment Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 1/2
M	BX03	146	<b>Shipment Method of Payment</b> Code identifying payment terms for transportation charges Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
	BX04	145	<b>Shipment Identification Number</b> 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	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	O 1 ID 2/4
	BX06	188	<b>Weight Unit Code</b> Code specifying the weight unit Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
	BX07	147	<b>Shipment Qualifier</b> Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
	BX08	226	<b>Section Seven Code</b> Code indicating applicability of section seven option (if not transmitted assume not in effect) Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
	BX09	195	<b>Capacity Load Code</b> Code specifying type of capacity load Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
	BX10	160	<b>Status Report Request Code</b> Code used by the shipper to specify that an automatic status report is requested when the shipment is delivered Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
	BX11	501	<b>Customs Documentation Handling Code</b> Code defining method of handling for documentation Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
	BX12	199	<b>Confidential Billing Request Code</b> Code used by the shipper to request that the carrier inhibit origin identification	O 1 ID 1/1

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 005010 Data Element Dictionary for acceptable code values.

**BX13      714      Goods and Services Tax Reason Code      O      1 ID 1/1**

Code required to identify the reason for a 0% rated goods and services tax  
Refer to 005010 Data Element Dictionary for acceptable code values.

**BX14      346      Application Type      O      1 ID 2/2**

Code identifying an application  
Refer to 005010 Data Element Dictionary for acceptable code values.

**Segment:** **BNX** Rail Shipment Information  
**Position:** 0400  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit rail-specific shipment data  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
BNX01	460	<b>Shipment Weight Code</b>	<b>O 1 ID 1/1</b>
		Code indicating the way by which weights are obtained for a particular shipment Refer to 005010 Data Element Dictionary for acceptable code values.	
BNX02	129	<b>Referenced Pattern Identifier</b>	<b>O 1 AN 1/13</b>
		Identification of a repetitive pattern that is to be used as a basis for creating a shipment record or a new pattern; or identification of a pattern requiring change or deletion	
BNX03	11	<b>Billing Code</b>	<b>O 1 ID 1/1</b>
		Code indicating type of Bill Refer to 005010 Data Element Dictionary for acceptable code values.	
BNX04	223	<b>Repetitive Pattern Number</b>	<b>O 1 N0 5/5</b>
		RWC number composed of a four-digit number with a fifth digit being a modulus 10 check digit	



**Segment:** **N9** Extended Reference Information  
**Position:** 0500  
**Loop:**  
**Level:**  
**Usage:** Optional  
**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:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N901	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 2/3
	N902	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X 1 AN 1/50
	N903	369	<b>Free-form Description</b> Free-form descriptive text	X 1 AN 1/45
	N904	373	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8
	N905	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X 1 TM 4/8
	N906	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
	N907	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O 1
M	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 005010 Data Element Dictionary for acceptable code values.	M ID 2/3
M	C04002	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/50
	C04003	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 005010 Data Element Dictionary for acceptable code values.	X ID 2/3
	C04004	127	<b>Reference Identification</b>	X AN 1/50

<b>C04005</b>	<b>128</b>	Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier <b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	<b>X</b>	<b>ID 2/3</b>
<b>C04006</b>	<b>127</b>	Refer to 005010 Data Element Dictionary for acceptable code values. <b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	<b>X</b>	<b>AN 1/50</b>

**Segment:** **CM** Cargo Manifest  
**Position:** 0600  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To identify specific flight or voyage information for multimodal shipments  
**Syntax Notes:** 1 If CM04 is present, then CM02 is required.  
**Semantic Notes:** 1 CM04 is qualified by CM02.  
2 CM06 contains the carrier code.  
3 CM07 contains the previous carrier code.  
4 CM08 is the manifest date.  
5 CM15 is the vessel agent number.  
**Comments:** 1 CM02 is "D" for rail origin and "L" for rail destination.

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
CM01	55	<b>Flight/Voyage Number</b>	O 1 AN 2/10
		Identifying designator for the particular flight or voyage on which the cargo travels	
CM02	115	<b>Port or Terminal Function Code</b>	X 1 ID 1/1
		Code defining function performed at the port or terminal with respect to a shipment	
		Refer to 005010 Data Element Dictionary for acceptable code values.	
CM03	114	<b>Port Name</b>	O 1 AN 2/24
		Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property	
CM04	373	<b>Date</b>	O 1 DT 8/8
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	
CM05	13	<b>Booking Number</b>	O 1 AN 1/17
		Number assigned by the carrier for space reservation	
CM06	140	<b>Standard Carrier Alpha Code</b>	O 1 ID 2/4
		Standard Carrier Alpha Code	
CM07	140	<b>Standard Carrier Alpha Code</b>	O 1 ID 2/4
		Standard Carrier Alpha Code	
CM08	373	<b>Date</b>	O 1 DT 8/8
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	
CM09	182	<b>Vessel Name</b>	O 1 AN 2/28
		Name of ship as documented in "Lloyd's Register of Ships"	
CM10	113	<b>Pier Number</b>	O 1 AN 1/4
		Identifying number for the pier	
CM11	112	<b>Pier Name</b>	O 1 AN 2/14
		Free-form name of the pier	
CM12	174	<b>Terminal Name</b>	O 1 AN 2/30
		Free-form field for terminal name	
CM13	156	<b>State or Province Code</b>	O 1 ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
CM14	26	<b>Country Code</b>	O 1 ID 2/3
		Code identifying the country	

<b>CM15</b>	<b>127</b>	<b>Reference Identification</b>	<b>O</b>	<b>1</b>	<b>AN 1/50</b>
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
<b>CM16</b>	<b>202</b>	<b>Correction Indicator</b>	<b>O</b>	<b>1</b>	<b>ID 2/2</b>
		Code used to indicate that the transaction set contains information which corrects previous information Refer to 005010 Data Element Dictionary for acceptable code values.			
<b>CM17</b>	<b>91</b>	<b>Transportation Method/Type Code</b>	<b>O</b>	<b>1</b>	<b>ID 1/2</b>
		Code specifying the method or type of transportation for the shipment Refer to 005010 Data Element Dictionary for acceptable code values.			

**Segment:** **DTM** Date/Time Reference  
**Position:** 0700  
**Loop:**  
**Level:**  
**Usage:** Optional  
**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:**

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>		
M	DTM01	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 3/3
	DTM02	373	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	X 1 DT 8/8
	DTM03	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X 1 TM 4/8
	DTM04	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
	DTM05	1250	<b>Date Time Period Format Qualifier</b> Code indicating the date format, time format, or date and time format Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/3
	DTM06	1251	<b>Date Time Period</b> 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:** 0800  
**Loop:** N7 Mandatory  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify the equipment  
**Syntax Notes:**

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

**Semantic Notes:**

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

**Comments:**

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

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N701	206	<b>Equipment Initial</b> Prefix or alphabetic part of an equipment unit's identifying number	O 1 AN 1/4
M	N702	207 <b>Equipment Number</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	M 1 AN 1/15
	N703	81 <b>Weight</b> Numeric value of weight	X 1 R 1/10
	N704	187 <b>Weight Qualifier</b> Code defining the type of weight Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
	N705	167 <b>Tare Weight</b> Weight of the equipment	X 1 N0 3/8
	N706	232 <b>Weight Allowance</b> Allowance made for increased weight due to such factors as snow	O 1 N0 2/6
	N707	205 <b>Dunnage</b> Weight of material used to protect lading (even bracings, false floors, etc.)	O 1 N0 1/6
	N708	183 <b>Volume</b> Value of volumetric measure	X 1 R 1/8
	N709	184 <b>Volume Unit Qualifier</b> Code identifying the volume unit Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 1/1
	N710	102 <b>Ownership Code</b> Code indicating the relationship of equipment to carrier or ownership of equipment Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
	N711	40 <b>Equipment Description Code</b> Code identifying type of equipment used for shipment Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
	N712	140 <b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	O 1 ID 2/4
	N713	319 <b>Temperature Control</b> Free-form abbreviation of temperature range or flash-point temperature	O 1 AN 3/6
	N714	219 <b>Position</b>	O 1 AN 1/3

		Relative position of shipment in car, trailer, or container (mutually defined)		
N715	567	<b>Equipment Length</b>	O	1 N0 4/5
		Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)		
N716	571	<b>Tare Qualifier Code</b>	X	1 ID 1/1
		Code identifying the type of tare		
		Refer to 005010 Data Element Dictionary for acceptable code values.		
N717	188	<b>Weight Unit Code</b>	O	1 ID 1/1
		Code specifying the weight unit		
		Refer to 005010 Data Element Dictionary for acceptable code values.		
N718	761	<b>Equipment Number Check Digit</b>	O	1 N0 1/1
		Number which designates the check digit applied to a piece of equipment		
N719	56	<b>Type of Service Code</b>	O	1 ID 2/2
		Code specifying extent of transportation service requested		
		Refer to 005010 Data Element Dictionary for acceptable code values.		
N720	65	<b>Height</b>	O	1 R 1/8
		Vertical dimension of an object measured when the object is in the upright position		
N721	189	<b>Width</b>	O	1 R 1/8
		Shorter measurement of the two horizontal dimensions measured with the object in the upright position		
N722	24	<b>Equipment Type</b>	O	1 ID 4/4
		Code identifying equipment type		
N723	140	<b>Standard Carrier Alpha Code</b>	O	1 ID 2/4
		Standard Carrier Alpha Code		
N724	301	<b>Car Type Code</b>	O	1 ID 1/4
		Code specifying type of rail car or intermodal equipment type and its general characteristics		

**Segment:** **EM** **Equipment Characteristics**  
**Position:** 0810  
**Loop:** N7 Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To send additional information regarding a specific piece of equipment  
**Syntax Notes:** 1 If EM02 is present, then EM01 is required.  
2 If EM04 is present, then EM03 is required.  
**Semantic Notes:** 1 EM02 is the maximum load weight.  
2 EM04 is the maximum load volume.  
3 EM05 is the country of manufacture.  
4 EM07 is the last inspection date for convention of safe container.  
**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
EM01	188	<b>Weight Unit Code</b> Code specifying the weight unit Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 1/1
EM02	81	<b>Weight</b> Numeric value of weight	O 1 R 1/10
EM03	184	<b>Volume Unit Qualifier</b> Code identifying the volume unit Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 1/1
EM04	183	<b>Volume</b> Value of volumetric measure	O 1 R 1/8
EM05	26	<b>Country Code</b> Code identifying the country	O 1 ID 2/3
EM06	1429	<b>Construction Type</b> Contains the primary construction material Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/2
EM07	373	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8



**Segment:** **VC** Motor Vehicle Control  
**Position:** 0900  
**Loop:** VC Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To define motor vehicle identification and logistics  
**Syntax Notes:**  
**Semantic Notes:**

- 1 VC05 is the automotive manufacturer route code.
- 2 VC12 is the direction the headlights of the vehicle point.
- 3 VC13 is the final destination ramp location as assigned by the manufacturer.

**Comments:**

**Data Element Summary**

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	VC01	<b>539 Vehicle Identification Number</b> Unique identification number stamped on the vehicle by the manufacturer	M 1 AN 1/30
	VC02	<b>836 Vehicle Deck Position Code</b> Code to identify the specific position of a vehicle on multi-level equipment; when dealing with rail cars the front end will be defined as that end of the rail car which the vehicle faces Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
	VC03	<b>837 Vehicle Type Code</b> Vehicle Type Code for freight rate and claims purposes Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
	VC04	<b>838 Dealer Code</b> A code assigned by a manufacturer to identify their dealers	O 1 AN 2/9
	VC05	<b>1 Route Code</b> Mutually defined route code	O 1 AN 1/13
	VC06	<b>839 Bay Location</b> Location where the releasing agent placed the motor vehicle	O 1 AN 1/6
	VC07	<b>833 Automotive Manufacturers Code</b> Code (ARR) used to identify vehicle manufacturer	O 1 ID 2/2
	VC08	<b>308 Damage Exception Indicator</b> Code to indicate whether damage is being reported to a vehicle in this transaction set Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
	VC09	<b>835 Supplemental Inspection Code</b> A code to indicate a supplemental inspection Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
	VC10	<b>583 Factory Car Order Number</b> This number to be supplied by the shipper for Canadian customer requirements at border points for all finished motor vehicles exported to the United States from Canada	O 1 AN 6/10
	VC11	<b>877 Vessel Stowage Location</b> Location of cargo stowed on board an ocean vessel	O 1 AN 1/12
	VC12	<b>1543 Equipment Orientation Code</b> Code indicating the direction the equipment is entrained or the lading is loaded; When used to indicate the lading orientation, direction is defined relative to the equipment on which it is loaded Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1

**VC13**

**310**

**Location Identifier**

Code which identifies a specific location

**O**

**1 AN 1/30**

**Segment:** **N1** Party Identification  
**Position:** 0920  
**Loop:** N1 Optional  
**Level:**  
**Usage:** Optional  
**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.

**Data Element Summary**

M	Ref.	Data	Attributes	
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
	N101	98	<b>Entity Identifier Code</b>	<b>M 1 ID 2/3</b>
			Code identifying an organizational entity, a physical location, property or an individual Refer to 005010 Data Element Dictionary for acceptable code values.	
	N102	93	<b>Name</b>	<b>X 1 AN 1/60</b>
			Free-form name	
	N103	66	<b>Identification Code Qualifier</b>	<b>X 1 ID 1/2</b>
			Code designating the system/method of code structure used for Identification Code (67) Refer to 005010 Data Element Dictionary for acceptable code values.	
	N104	67	<b>Identification Code</b>	<b>X 1 AN 2/80</b>
			Code identifying a party or other code	
	N105	706	<b>Entity Relationship Code</b>	<b>O 1 ID 2/2</b>
			Code describing entity relationship Refer to 005010 Data Element Dictionary for acceptable code values.	
	N106	98	<b>Entity Identifier Code</b>	<b>O 1 ID 2/3</b>
			Code identifying an organizational entity, a physical location, property or an individual Refer to 005010 Data Element Dictionary for acceptable code values.	

**Segment:** N3 Party Location  
**Position:** 0940  
**Loop:** N1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information	M 1 AN 1/55
	N302	166	Address Information Address information	O 1 AN 1/55

**Segment:** **N4 Geographic Location**  
**Position:** 0960  
**Loop:** N1 Optional  
**Level:**  
**Usage:** Optional  
**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.
- 2 N402 is required only if city name (N401) is in the U.S. or Canada.

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N401	19	City Name Free-form text for city name	O 1 AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	X 1 ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O 1 ID 3/15
N404	26	Country Code Code identifying the country	X 1 ID 2/3
N405	309	Location Qualifier Code identifying type of location Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
N406	310	Location Identifier Code which identifies a specific location	O 1 AN 1/30
N407	1715	Country Subdivision Code Code identifying the country subdivision	X 1 ID 1/3

**Segment:** **H3** Special Handling Instructions  
**Position:** 0980  
**Loop:** N1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**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:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
H301	152	<b>Special Handling Code</b> Code specifying special transportation handling instructions Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/3
H302	153	<b>Special Handling Description</b> 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
H303	241	<b>Protective Service Code</b> Code specifying perishable protective service- rail carriers only Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/4
H304	242	<b>Vent Instruction Code</b> Code specifying vent instructions Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/7
H305	257	<b>Tariff Application Code</b> Code indicating to which traffic a tariff applies Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1

**Segment:** **IC** Intermodal Chassis Equipment

**Position:** 1000

**Loop:** N7 Mandatory

**Level:**

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the chassis equipment details in terms of identifying numbers, weights, and ownership

**Syntax Notes:** 1 If either IC03 or IC04 is present, then the other is required.

**Semantic Notes:** 1 IC05 is the chassis owner.

2 IC07 is the equipment lessee.

3 IC09 is the equipment check digit for the equipment number in IC02.

**Comments:**

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	IC01	206	<b>Equipment Initial</b> Prefix or alphabetic part of an equipment unit's identifying number	M 1 AN 1/4
M	IC02	207	<b>Equipment Number</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	M 1 AN 1/15
	IC03	167	<b>Tare Weight</b> Weight of the equipment	X 1 N0 3/8
	IC04	571	<b>Tare Qualifier Code</b> Code identifying the type of tare Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 1/1
	IC05	140	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	O 1 ID 2/4
	IC06	567	<b>Equipment Length</b> Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	O 1 N0 4/5
	IC07	140	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	O 1 ID 2/4
	IC08	845	<b>Chassis Type</b> Code identifying type of chassis Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
	IC09	761	<b>Equipment Number Check Digit</b> Number which designates the check digit applied to a piece of equipment	O 1 N0 1/1

**Segment:** **IM** Intermodal Movement Information  
**Position:** 1100  
**Loop:** N7 Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the overall movement of a shipment  
**Syntax Notes:**  
**Semantic Notes:** 1 IM03 is required if IM02 is "IP" or "XP".  
**Comments:**

**Data Element Summary**

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
IM01	533	<b>Water Movement Code</b> Code indicating type of water movement Refer to 005010 Data Element Dictionary for acceptable code values.	<b>O 1 ID 1/1</b>
IM02	152	<b>Special Handling Code</b> Code specifying special transportation handling instructions Refer to 005010 Data Element Dictionary for acceptable code values.	<b>O 1 ID 2/3</b>
IM03	534	<b>Inland Transportation Code</b> Code identifying inland transportation operations and movements Refer to 005010 Data Element Dictionary for acceptable code values.	<b>O 1 ID 2/2</b>



**Segment:** **M12 In-bond Identifying Information**  
**Position:** 1200  
**Loop:** N7 Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To transmit in-bond information  
**Syntax Notes:**

- 1 Only one of M1202 or M1206 may be present.
- 2 If M1206 is present, then M1208 is required.
- 3 If either M1208 or M1209 is present, then the other is required.
- 4 If either M1210 or M1211 is present, then the other is required.

**Semantic Notes:**

- 1 M1203 is a four-digit numeric census schedule D when identifying a U.S. port, and a three-digit numeric memorandum D when identifying a Canadian port. It is the port of destination if M1201 is "61". It is the port of export if M1201 is "62" or "63".
- 2 M1204 is five-digit numeric census schedule K. It is the foreign port of destination if M1201 is "62" or "63".
- 3 M1207 identifies the carrier to whom liability is transferred.

**Comments:**

- 1 If M1202 does not contain the paperless entry number, then M1206 is required.
- 2 M1205 is the value in whole dollars of the in-bond movement. Use twenty dollars per kilo if value is unknown.

#### Data Element Summary

Ref.	Data Des.	Element	Name	Attributes	
M	M1201	581	<b>Customs Entry Type Code</b> Code defining the type of entry assigned by U.S. Customs	M	1 ID 2/2
	M1202	601	<b>Customs Entry Number</b> Automated Commercial System Code Furnished by U.S. Customs Service	X	1 AN 1/15
	M1203	310	<b>Location Identifier</b> Code which identifies a specific location	O	1 AN 1/30
	M1204	310	<b>Location Identifier</b> Code which identifies a specific location	O	1 AN 1/30
	M1205	602	<b>Customs Shipment Value</b> Customs value in whole dollars	O	1 AN 2/8
	M1206	603	<b>In-bond Control Number</b> Currently assigned control number for in-bond movement	X	1 AN 1/25
	M1207	140	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	O	1 ID 2/4
	M1208	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 005010 Data Element Dictionary for acceptable code values.	X	1 ID 2/3
	M1209	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	1 AN 1/50
	M1210	91	<b>Transportation Method/Type Code</b> Code specifying the method or type of transportation for the shipment Refer to 005010 Data Element Dictionary for acceptable code values.	X	1 ID 1/2
	M1211	182	<b>Vessel Name</b> Name of ship as documented in "Lloyd's Register of Ships"	X	1 AN 2/28

**Segment:** **G4 Scale Identification**  
**Position:** 1300  
**Loop:** N7 Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify the scale type and the location and time a shipment is weighed  
**Syntax Notes:**  
**Semantic Notes:**

- 1 G403 is the scaling company's name.
- 2 G404 is the event date.
- 3 G405 is the event time.

**Comments:**

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element Name</b>	
M	G401	19 <b>City Name</b> Free-form text for city name	M 1 AN 2/30
M	G402	156 <b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	M 1 ID 2/2
	G403	93 <b>Name</b> Free-form name	O 1 AN 1/60
M	G404	373 <b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	M 1 DT 8/8
	G405	337 <b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	O 1 TM 4/8
	G406	570 <b>Scale Type Code</b> Code identifying the type of scale Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1

**Segment:** **M7 Seal Numbers**  
**Position:** 1400  
**Loop:** N7 Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 5  
**Purpose:** To record seal numbers used and the organization that applied the seals  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 M705 indicates the name of the organization which applied the seal(s).

**Data Element Summary**

	<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
	<b>Des.</b>	<b>Element</b>		
M	M701	225	<b>Seal Number</b> Unique number on seal used to close a shipment	M 1 AN 2/15
	M702	225	<b>Seal Number</b> Unique number on seal used to close a shipment	O 1 AN 2/15
	M703	225	<b>Seal Number</b> Unique number on seal used to close a shipment	O 1 AN 2/15
	M704	225	<b>Seal Number</b> Unique number on seal used to close a shipment	O 1 AN 2/15
	M705	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 2/3

**Segment:** N5 Equipment Ordered  
**Position:** 1500  
**Loop:** N7 Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify carrier equipment  
**Syntax Notes:** 1 If either N507 or N508 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 N506 is expressed in inches.

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N501	567	<b>Equipment Length</b>	O 1 N0 4/5
		Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	
N502	233	<b>Weight Capacity</b>	O 1 N0 2/3
		Capacity of car ordered (stated in 1000 pound units or 1000 kilogram units)	
N503	203	<b>Cubic Capacity</b>	O 1 N0 2/5
		Capacity of car ordered (cubic feet unless otherwise specified)	
N504	301	<b>Car Type Code</b>	O 1 ID 1/4
		Code specifying type of rail car or intermodal equipment type and its general characteristics	
N505	216	<b>Metric Qualifier</b>	O 1 ID 1/1
		Code used to indicate that measurements are given in metric units Refer to 005010 Data Element Dictionary for acceptable code values.	
N506	65	<b>Height</b>	O 1 R 1/8
		Vertical dimension of an object measured when the object is in the upright position	
N507	643	<b>Lading Percentage</b>	X 1 N2 2/4
		Commodity percentage for rating	
N508	644	<b>Lading Percent Qualifier</b>	X 1 ID 1/1
		Code identifying type of lading percentage Refer to 005010 Data Element Dictionary for acceptable code values.	
N509	40	<b>Equipment Description Code</b>	O 1 ID 2/2
		Code identifying type of equipment used for shipment Refer to 005010 Data Element Dictionary for acceptable code values.	

**Segment:** **H5** Car Service Order

**Position:** 1600

**Loop:** N7 Mandatory

**Level:**

**Usage:** Optional

**Max Use:** 1

**Purpose:** To identify the car service directive or other car movement instructions applicable to the empty movement of the car

**Syntax Notes:**

**Semantic Notes:**

**Comments:**

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	H501	240	<b>Car Service Order Code</b> Code specifying car service order Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 3/5
	H502	19	<b>City Name</b> Free-form text for city name	O 1 AN 2/30
	H503	156	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	O 1 ID 2/2

**Segment:** **E1** Empty Car Disposition - Pended Destination Consignee  
**Position:** 1610  
**Loop:** E1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify the party receiving the empty car  
**Syntax Notes:** 1 If either E102 or E103 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

M	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>	
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
	E101	93	Name	M 1 AN 1/60
			Free-form name	
	E102	66	Identification Code Qualifier	X 1 ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			Refer to 005010 Data Element Dictionary for acceptable code values.	
	E103	67	Identification Code	X 1 AN 2/80
			Code identifying a party or other code	

**Segment:** **E4** Empty Car Disposition - Pended Destination City  
**Position:** 1620  
**Loop:** E1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of named party receiving the empty car  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	E401	19	<b>City Name</b> Free-form text for city name	M 1 AN 2/30
M	E402	156	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	M 1 ID 2/2
	E403	116	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O 1 ID 3/15
	E404	26	<b>Country Code</b> Code identifying the country	O 1 ID 2/3

**Segment:** **E5** Empty Car Disposition - Pended Destination Route  
**Position:** 1630  
**Loop:** E1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 13  
**Purpose:** To specify the routing of the empty car  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	E501	140	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	M 1 ID 2/4
M	E502	133	<b>Routing Sequence Code</b> Code describing the relationship of a carrier to a specific shipment movement Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 1/2
	E503	19	<b>City Name</b> Free-form text for city name	O 1 AN 2/30
	E504	154	<b>Standard Point Location Code</b> 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



**Segment:** **PI** Price Authority Identification  
**Position:** 1640  
**Loop:** E1 Optional  
**Level:**  
**Usage:** Optional  
**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:**

**Data Element Summary**

Ref.	Data	Attributes	
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PI01	128 Reference Identification Qualifier Code qualifying the Reference Identification Refer to 005010 Data Element Dictionary for acceptable code values.	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	M 1 AN 1/50
	PI03	436 Primary Publication Authority Code Code indicating type of external reference Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
	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	O 1 ID 1/4
	PI06	965 Issuing Carrier Identifier Identification assigned by issuing carrier	O 1 AN 1/10
	PI07	660 Contract Suffix Used to identify a type of contract	O 1 AN 1/2
	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
	PI09	173 Tariff Supplement Identifier Identifier for the tariff supplement which contains the rate used	O 1 AN 1/4
	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
	PI11	660 Contract Suffix Used to identify a type of contract	O 1 AN 1/2
	PI12	373 Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8
	PI13	373 Date	O 1 DT 8/8

		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year		
<b>PI14</b>	<b>629</b>	<b>Alternation Precedence Code</b>	<b>O</b>	<b>1 ID 1/1</b>
		Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual carrier rules and procedures shall govern Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>PI15</b>	<b>629</b>	<b>Alternation Precedence Code</b>	<b>O</b>	<b>1 ID 1/1</b>
		Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual carrier rules and procedures shall govern Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>PI16</b>	<b>284</b>	<b>Service Level Code</b>	<b>O</b>	<b>1 ID 2/2</b>
		Code indicating the level of transportation service or the billing service offered by the transportation carrier Refer to 005010 Data Element Dictionary for acceptable code values.		

<b>Segment:</b>	<b>GA</b> Canadian Grain Information
<b>Position:</b>	1650
<b>Loop:</b>	N7 Mandatory
<b>Level:</b>	
<b>Usage:</b>	Optional
<b>Max Use:</b>	15
<b>Purpose:</b>	To transmit the transportation and distribution requirements of grain at Canadian ports
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either GA04 or GA05 is present, then the other is required.</li> <li>2 If either GA14 or GA15 is present, then the other is required.</li> <li>3 If either GA16 or GA17 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 GA02 is required on the first occurrence of the segment and for each new occurrence of a different commodity code.</li> <li>2 GA06 is used for crop week.</li> <li>3 GA08 is used for the unload date.</li> <li>4 GA09 will contain the number of cars being claimed for incentive rate.</li> <li>5 If GA13 is equal to "Y" then this is a direct hit to departure wharf for vessel loading. If "N" this is to be unloaded at terminal and GA14 is required to identify the terminal or staging area prior to vessel loading.</li> <li>6 GA14 is the terminal or staging area name.</li> <li>7 GA18 indicates whether a Canadian Wheat Board Performance car is involved. If GA18 is equal to "Y", then this indicates a Performance Car is involved. If GA18 is equal to "N" a Performance car is not involved. The default value is "N" if absent.</li> </ol>
<b>Comments:</b>	<ol style="list-style-type: none"> <li>1 GA02 contains the Canadian Grain Commission Commodity Code for terminal elevator accounting.</li> <li>2 GA05 is used for grain block number.</li> </ol>

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>Attributes</u>
GA01	1275 <b>Fumigated/Cleaned Indicator</b>	O 1 ID 1/1
	Code indicating whether product has been fumigated and/or cleaned Refer to 005010 Data Element Dictionary for acceptable code values.	
GA02	22 <b>Commodity Code</b>	O 1 AN 1/30
	Code describing a commodity or group of commodities	
GA03	1576 <b>Inspected/Weighed Indicator Code</b>	O 1 ID 1/2
	Code indicating whether product has been inspected and/or weighed Refer to 005010 Data Element Dictionary for acceptable code values.	
GA04	128 <b>Reference Identification Qualifier</b>	X 1 ID 2/3
	Code qualifying the Reference Identification Refer to 005010 Data Element Dictionary for acceptable code values.	
GA05	127 <b>Reference Identification</b>	X 1 AN 1/50
	Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
GA06	642 <b>Week</b>	O 1 N0 6/6
	Week expressed as year/week (CCYYWW), where week is a number between 01 and 53 inclusive	
GA07	899 <b>Unload Terminal Elevator Code</b>	O 1 ID 3/4
	Code specifying the unloading terminal elevator at grain exporting terminals	
GA08	373 <b>Date</b>	O 1 DT 8/8
	Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	
GA09	1470 <b>Number</b>	O 1 N0 1/9
	A generic number	

<b>GA10</b>	<b>1276</b>	<b>Machine Separable Indicator Code</b>	<b>O</b>	<b>1</b>	<b>ID 2/2</b>
		Canadian Grain Commission grain code identifying the type of grain that must be separated			
<b>GA11</b>	<b>1277</b>	<b>Canadian Wheat Board (CWB) Marketing Class Code</b>	<b>O</b>	<b>1</b>	<b>ID 1/1</b>
		Code identifying the Canadian Wheat Board market class of the grain Refer to 005010 Data Element Dictionary for acceptable code values.			
<b>GA12</b>	<b>1278</b>	<b>Canadian Wheat Board (CWB) Marketing Class Type Code</b>	<b>O</b>	<b>1</b>	<b>ID 1/1</b>
		Code identifying Canadian Wheat Board market class type Refer to 005010 Data Element Dictionary for acceptable code values.			
<b>GA13</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>O</b>	<b>1</b>	<b>ID 1/1</b>
		Code indicating a Yes or No condition or response Refer to 005010 Data Element Dictionary for acceptable code values.			
<b>GA14</b>	<b>310</b>	<b>Location Identifier</b>	<b>X</b>	<b>1</b>	<b>AN 1/30</b>
		Code which identifies a specific location			
<b>GA15</b>	<b>156</b>	<b>State or Province Code</b>	<b>X</b>	<b>1</b>	<b>ID 2/2</b>
		Code (Standard State/Province) as defined by appropriate government agency			
<b>GA16</b>	<b>1004</b>	<b>Percent Qualifier</b>	<b>X</b>	<b>1</b>	<b>ID 1/2</b>
		Code to qualify percent Refer to 005010 Data Element Dictionary for acceptable code values.			
<b>GA17</b>	<b>954</b>	<b>Percentage as Decimal</b>	<b>X</b>	<b>1</b>	<b>R 1/10</b>
		Percentage expressed as a decimal (e.g., 0.0 through 1.0 represents 0% through 100%)			
<b>GA18</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>O</b>	<b>1</b>	<b>ID 1/1</b>
		Code indicating a Yes or No condition or response Refer to 005010 Data Element Dictionary for acceptable code values.			

**Segment:** **REF** Reference Information  
**Position:** 1670  
**Loop:** REF Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify identifying information  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

- 1 REF04 contains data relating to the value cited in REF02.

**Comments:**

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 2/3
	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X 1 AN 1/50
	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content	X 1 AN 1/80
	REF04	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O 1
M	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 005010 Data Element Dictionary for acceptable code values.	M ID 2/3
M	C04002	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/50
	C04003	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 005010 Data Element Dictionary for acceptable code values.	X ID 2/3
	C04004	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/50
	C04005	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 005010 Data Element Dictionary for acceptable code values.	X ID 2/3
	C04006	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/50

**Segment:** **N10** **Quantity and Description**  
**Position:** 1680  
**Loop:** REF Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 15  
**Purpose:** To indicate line item quantity, description, marks and numbers, commodity code, weight, and customs value

**Syntax Notes:**

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

**Semantic Notes:**

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

**Comments:**

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N1001	380	<b>Quantity</b> Numeric value of quantity	O 1 R 1/15
N1002	369	<b>Free-form Description</b> Free-form descriptive text	O 1 AN 1/45
N1003	87	<b>Marks and Numbers</b> Marks and numbers used to identify a shipment or parts of a shipment	O 1 AN 1/48
N1004	23	<b>Commodity Code Qualifier</b> Code identifying the commodity coding system used for Commodity Code Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 1/1
N1005	22	<b>Commodity Code</b> Code describing a commodity or group of commodities	X 1 AN 1/30
N1006	602	<b>Customs Shipment Value</b> Customs value in whole dollars	X 1 AN 2/8
N1007	188	<b>Weight Unit Code</b> Code specifying the weight unit Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 1/1
N1008	81	<b>Weight</b> Numeric value of weight	X 1 R 1/10
N1009	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O 1 AN 1/50
N1010	599	<b>Manifest Unit Code</b> Code defining the smallest package unit for the bill of lading	O 1 ID 1/3
N1011	26	<b>Country Code</b> Code identifying the country	O 1 ID 2/3
N1012	26	<b>Country Code</b> Code identifying the country	O 1 ID 2/3
N1013	100	<b>Currency Code</b> Code (Standard ISO) for country in whose currency the charges are specified	X 1 ID 3/3

**Segment:** **N1** Party Identification  
**Position:** 1690  
**Loop:** N1 Optional  
**Level:**  
**Usage:** Optional  
**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.

#### Data Element Summary

Ref.	Data Element	Name	Attributes
M	N101	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 2/3
	N102	93 Name Free-form name	X 1 AN 1/60
	N103	66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
	N104	67 Identification Code Code identifying a party or other code	X 1 AN 2/80
	N105	706 Entity Relationship Code Code describing entity relationship Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
	N106	98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 2/3

**Segment:** N3 Party Location  
**Position:** 1700  
**Loop:** N1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information	M 1 AN 1/55
	N302	166	Address Information Address information	O 1 AN 1/55



**Segment:** **N4 Geographic Location**  
**Position:** 1720  
**Loop:** N1 Optional  
**Level:**  
**Usage:** Optional  
**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.
- 2 N402 is required only if city name (N401) is in the U.S. or Canada.

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N401	19	City Name Free-form text for city name	O 1 AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	X 1 ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O 1 ID 3/15
N404	26	Country Code Code identifying the country	X 1 ID 2/3
N405	309	Location Qualifier Code identifying type of location Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
N406	310	Location Identifier Code which identifies a specific location	O 1 AN 1/30
N407	1715	Country Subdivision Code Code identifying the country subdivision	X 1 ID 1/3

**Segment:** **IMA** Interchange Move Authority  
**Position:** 1750  
**Loop:** N7 Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify the transportation interchange authority  
**Syntax Notes:**  
**Semantic Notes:**

- 1 IMA02 is the Standard Carrier Alpha Code (SCAC) of entity responsible for the movement authority in the IMA01.
- 2 IMA03 defines if the associated move is reciprocal, interterminal, or intraterminal.
- 3 IMA04 defines if the associated move is interstate or intrastate.

**Comments:**

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	IMA01	748	<b>Movement Authority Code</b> Code indicating the interchange authority Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 1/2
	IMA02	140	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	O 1 ID 2/4
	IMA03	257	<b>Tariff Application Code</b> Code indicating to which traffic a tariff applies Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
	IMA04	257	<b>Tariff Application Code</b> Code indicating to which traffic a tariff applies Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1

**Segment:** **N8** Waybill Reference  
**Position:** 1800  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 499  
**Purpose:** To identify the waybill and to specify the equipment used and the destination details  
**Syntax Notes:**

- 1 If any of N803 N804 or N805 is present, then all are required.
- 2 If either N806 or N807 is present, then the other is required.
- 3 If either N808 or N809 is present, then the other is required.
- 4 If either N810 or N811 is present, then the other is required.

**Semantic Notes:**

- 1 N802 is the waybill date.
- 2 N808 is the destination station of movement.
- 3 N810 will contain destination railroad initial Standard Carrier Alpha Code (SCAC).
- 4 N811 will contain railroad destination Freight Station Accounting Code (FSAC).

**Comments:**

- 1 Waybill type should be transmitted only when the transaction set involves a multiple Car/TOFC/COFC shipment or a conveying flat car. Waybill type should not be sent on a single Car/TOFC/COFC.
- 2 N807 is the waybill date.

#### Data Element Summary

Ref.	Data	Attributes	
<u>Des.</u>	<u>Element</u> <u>Name</u>		
M	<b>N801</b> <b>186</b> <b>Waybill Number</b>	M	1 N0 1/6
	Carrier accounting number of the waybill for the inbound movement		
M	<b>N802</b> <b>373</b> <b>Date</b>	M	1 DT 8/8
	Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year		
	<b>N803</b> <b>231</b> <b>Cross Reference Type Code</b>	X	1 ID 1/1
	Code defining relationship of equipment to equipment cross-referenced Refer to 005010 Data Element Dictionary for acceptable code values.		
	<b>N804</b> <b>206</b> <b>Equipment Initial</b>	X	1 AN 1/4
	Prefix or alphabetic part of an equipment unit's identifying number		
	<b>N805</b> <b>207</b> <b>Equipment Number</b>	X	1 AN 1/15
	Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)		
	<b>N806</b> <b>186</b> <b>Waybill Number</b>	X	1 N0 1/6
	Carrier accounting number of the waybill for the inbound movement		
	<b>N807</b> <b>373</b> <b>Date</b>	X	1 DT 8/8
	Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year		
	<b>N808</b> <b>19</b> <b>City Name</b>	X	1 AN 2/30
	Free-form text for city name		
	<b>N809</b> <b>156</b> <b>State or Province Code</b>	X	1 ID 2/2
	Code (Standard State/Province) as defined by appropriate government agency		
	<b>N810</b> <b>140</b> <b>Standard Carrier Alpha Code</b>	X	1 ID 2/4
	Standard Carrier Alpha Code		
	<b>N811</b> <b>573</b> <b>Freight Station Accounting Code</b>	X	1 ID 1/5
	Code (Freight Station Accounting) (AAR Managed Code for Locations)		

**Segment:** **N8A Additional Reference Information**  
**Position:** 1810  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 499  
**Purpose:** To identify additional station and waybill or station, or waybill information pertaining to revenue waybill

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

- 1 N8A03 is the date of the waybill in N8A02.
- 2 N8A04 is the unique revenue reference waybill identification number (URRWIN).
- 3 N8A05 and N806 identifies the location based on the code in N8A01.
- 4 N8A07 and N8A08 identify the carrier associated with the N8A01.

**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N8A01	1378	<b>Waybill Cross-Reference Code</b>	O 1 ID 2/2
		Code to cross-reference the type of revenue waybill to a previously submitted waybill Refer to 005010 Data Element Dictionary for acceptable code values.	
N8A02	186	<b>Waybill Number</b>	O 1 N0 1/6
		Carrier accounting number of the waybill for the inbound movement	
N8A03	373	<b>Date</b>	O 1 DT 8/8
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	
N8A04	127	<b>Reference Identification</b>	O 1 AN 1/50
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
N8A05	19	<b>City Name</b>	O 1 AN 2/30
		Free-form text for city name	
N8A06	156	<b>State or Province Code</b>	O 1 ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
N8A07	140	<b>Standard Carrier Alpha Code</b>	O 1 ID 2/4
		Standard Carrier Alpha Code	
N8A08	573	<b>Freight Station Accounting Code</b>	O 1 ID 1/5
		Code (Freight Station Accounting) (AAR Managed Code for Locations)	
N8A09	206	<b>Equipment Initial</b>	O 1 AN 1/4
		Prefix or alphabetic part of an equipment unit's identifying number	
N8A10	207	<b>Equipment Number</b>	O 1 AN 1/15
		Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	

**Segment:** **V9 Event Detail**  
**Position:** 1900  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify information about a specific event  
**Syntax Notes:**

- 1 If V906 is present, then V905 is required.
- 2 If either V910 or V911 is present, then the other is required.
- 3 If V913 is present, then V904 is required.
- 4 If V915 is present, then V909 is required.

**Semantic Notes:**

- 1 V903 is the event date.
- 2 V904 is the event time.
- 3 V909 is the Standard Point Location Code (SPLC) of the event shown in the V901.
- 4 V910 is the length of the time delay expressed in hours.
- 5 V913 reflects the time zone which the event time reflects.
- 6 V914 is the quantity of the fuel in gallons.
- 7 V915 is the Standard Point Location Code (SPLC) of the secondary point of the delay indicated in the V911.
- 8 V916 is the total number of rail cars associated with the event code in V901.
- 9 V917 is the total number of loaded cars associated with the event code in V901.
- 10 V918 is the total number of empty cars associated with the event code in V901.
- 11 V919 is the total Gross Tons of the cars identified in V916. Includes the gross weight of the loads and the tare weight of the empties.
- 12 V920 is the total outside foot length of the cars identified in V916, rounded off to the nearest foot.

**Comments:**

**Data Element Summary**

Ref.	Data Element	Name	Attributes
M	V901	Event Code	M 1 ID 3/3
		Code identifying the event about which a report is made Refer to 005010 Data Element Dictionary for acceptable code values.	
	V902	Event	O 1 AN 1/25
		Free-form description of event	
	V903	Date	O 1 DT 8/8
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	
	V904	Time	X 1 TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
	V905	City Name	X 1 AN 2/30
		Free-form text for city name	
	V906	State or Province Code	O 1 ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency	
	V907	Country Code	O 1 ID 2/3
		Code identifying the country	
	V908	Status Reason Code	O 1 ID 3/3
		Code indicating the status reason Refer to 005010 Data Element Dictionary for acceptable code values.	

<b>V909</b>	<b>154</b>	<b>Standard Point Location Code</b>	<b>X</b>	<b>1</b>	<b>ID 6/9</b>
		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			
<b>V910</b>	<b>380</b>	<b>Quantity</b>	<b>X</b>	<b>1</b>	<b>R 1/15</b>
		Numeric value of quantity			
<b>V911</b>	<b>1274</b>	<b>Train Delay Reason Code</b>	<b>X</b>	<b>1</b>	<b>AN 2/3</b>
		Code specifying reason for train delay			
<b>V912</b>	<b>61</b>	<b>Free-form Information</b>	<b>O</b>	<b>1</b>	<b>AN 1/30</b>
		Free-form information			
<b>V913</b>	<b>623</b>	<b>Time Code</b>	<b>O</b>	<b>1</b>	<b>ID 2/2</b>
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 005010 Data Element Dictionary for acceptable code values.			
<b>V914</b>	<b>380</b>	<b>Quantity</b>	<b>O</b>	<b>1</b>	<b>R 1/15</b>
		Numeric value of quantity			
<b>V915</b>	<b>154</b>	<b>Standard Point Location Code</b>	<b>O</b>	<b>1</b>	<b>ID 6/9</b>
		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			
<b>V916</b>	<b>86</b>	<b>Total Equipment</b>	<b>O</b>	<b>1</b>	<b>N0 1/3</b>
		Total pieces of equipment			
<b>V917</b>	<b>86</b>	<b>Total Equipment</b>	<b>O</b>	<b>1</b>	<b>N0 1/3</b>
		Total pieces of equipment			
<b>V918</b>	<b>86</b>	<b>Total Equipment</b>	<b>O</b>	<b>1</b>	<b>N0 1/3</b>
		Total pieces of equipment			
<b>V919</b>	<b>81</b>	<b>Weight</b>	<b>O</b>	<b>1</b>	<b>R 1/10</b>
		Numeric value of weight			
<b>V920</b>	<b>82</b>	<b>Length</b>	<b>O</b>	<b>1</b>	<b>R 1/8</b>
		Largest horizontal dimension of an object measured when the object is in the upright position			

**Segment:** **F9** Origin Station  
**Position:** 2000  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify the rail origin of the shipment  
**Syntax Notes:**  
**Semantic Notes:**

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

**Comments:**

- 1 F905 is the freight station accounting code of the city named in F906.

#### Data Element Summary

Ref.	Data				
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>		
F901	573	<b>Freight Station Accounting Code</b>	O	1	ID 1/5
		Code (Freight Station Accounting) (AAR Managed Code for Locations)			
M	F902	19 <b>City Name</b>	M	1	AN 2/30
		Free-form text for city name			
M	F903	156 <b>State or Province Code</b>	M	1	ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency			
	F904	26 <b>Country Code</b>	O	1	ID 2/3
		Code identifying the country			
	F905	573 <b>Freight Station Accounting Code</b>	O	1	ID 1/5
		Code (Freight Station Accounting) (AAR Managed Code for Locations)			
	F906	19 <b>City Name</b>	O	1	AN 2/30
		Free-form text for city name			
	F907	156 <b>State or Province Code</b>	O	1	ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency			
	F908	154 <b>Standard Point Location Code</b>	O	1	ID 6/9
		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			
	F909	116 <b>Postal Code</b>	O	1	ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			
	F910	154 <b>Standard Point Location Code</b>	O	1	ID 6/9
		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			
	F911	116 <b>Postal Code</b>	O	1	ID 3/15
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			
	F912	26 <b>Country Code</b>	O	1	ID 2/3
		Code identifying the country			

**Segment:** **D9 Destination Station**  
**Position:** 2100  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify the rail destination of the shipment  
**Syntax Notes:**  
**Semantic Notes:**

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

**Comments:**

- 1 D905 is the freight station accounting code of the city name in D906.

#### Data Element Summary

Ref.	Data	Attributes		
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
	<b>D901</b>	<b>573</b>	<b>Freight Station Accounting Code</b>	<b>O 1 ID 1/5</b>
			Code (Freight Station Accounting) (AAR Managed Code for Locations)	
<b>M</b>	<b>D902</b>	<b>19</b>	<b>City Name</b>	<b>M 1 AN 2/30</b>
			Free-form text for city name	
<b>M</b>	<b>D903</b>	<b>156</b>	<b>State or Province Code</b>	<b>M 1 ID 2/2</b>
			Code (Standard State/Province) as defined by appropriate government agency	
	<b>D904</b>	<b>26</b>	<b>Country Code</b>	<b>O 1 ID 2/3</b>
			Code identifying the country	
	<b>D905</b>	<b>573</b>	<b>Freight Station Accounting Code</b>	<b>O 1 ID 1/5</b>
			Code (Freight Station Accounting) (AAR Managed Code for Locations)	
	<b>D906</b>	<b>19</b>	<b>City Name</b>	<b>O 1 AN 2/30</b>
			Free-form text for city name	
	<b>D907</b>	<b>156</b>	<b>State or Province Code</b>	<b>O 1 ID 2/2</b>
			Code (Standard State/Province) as defined by appropriate government agency	
	<b>D908</b>	<b>154</b>	<b>Standard Point Location Code</b>	<b>O 1 ID 6/9</b>
			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	
	<b>D909</b>	<b>116</b>	<b>Postal Code</b>	<b>O 1 ID 3/15</b>
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
	<b>D910</b>	<b>154</b>	<b>Standard Point Location Code</b>	<b>O 1 ID 6/9</b>
			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	
	<b>D911</b>	<b>116</b>	<b>Postal Code</b>	<b>O 1 ID 3/15</b>
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
	<b>D912</b>	<b>26</b>	<b>Country Code</b>	<b>O 1 ID 2/3</b>
			Code identifying the country	



**Segment:** **N1** Party Identification  
**Position:** 2200  
**Loop:** N1 Mandatory  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
2 N105 and N106 further define the type of entity in N101.

#### Data Element Summary

Ref.	Data				Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>			
M	N101	98	<b>Entity Identifier Code</b>		M 1 ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual Refer to 005010 Data Element Dictionary for acceptable code values.		
	N102	93	<b>Name</b>		X 1 AN 1/60
			Free-form name		
	N103	66	<b>Identification Code Qualifier</b>		X 1 ID 1/2
			Code designating the system/method of code structure used for Identification Code (67) Refer to 005010 Data Element Dictionary for acceptable code values.		
	N104	67	<b>Identification Code</b>		X 1 AN 2/80
			Code identifying a party or other code		
	N105	706	<b>Entity Relationship Code</b>		O 1 ID 2/2
			Code describing entity relationship Refer to 005010 Data Element Dictionary for acceptable code values.		
	N106	98	<b>Entity Identifier Code</b>		O 1 ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual Refer to 005010 Data Element Dictionary for acceptable code values.		

**Segment:** N2 Additional Name Information  
**Position:** 2250  
**Loop:** N1 Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify additional names  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N201	93	Name Free-form name	M 1 AN 1/60
	N202	93	Name Free-form name	O 1 AN 1/60

**Segment:** N3 Party Location  
**Position:** 2300  
**Loop:** N1 Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information	M 1 AN 1/55
	N302	166	Address Information Address information	O 1 AN 1/55

**Segment:** **N4 Geographic Location**  
**Position:** 2400  
**Loop:** N1 Mandatory  
**Level:**  
**Usage:** Optional  
**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.
- 2 N402 is required only if city name (N401) is in the U.S. or Canada.

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N401	19	City Name Free-form text for city name	O 1 AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	X 1 ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O 1 ID 3/15
N404	26	Country Code Code identifying the country	X 1 ID 2/3
N405	309	Location Qualifier Code identifying type of location Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
N406	310	Location Identifier Code which identifies a specific location	O 1 AN 1/30
N407	1715	Country Subdivision Code Code identifying the country subdivision	X 1 ID 1/3

**Segment:** **REF** Reference Information  
**Position:** 2450  
**Loop:** N1 Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 2  
**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:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 2/3
	REF02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X 1 AN 1/50
	REF03	352	<b>Description</b> A free-form description to clarify the related data elements and their content	X 1 AN 1/80
	REF04	C040	<b>Reference Identifier</b> To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O 1
M	C04001	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 005010 Data Element Dictionary for acceptable code values.	M ID 2/3
M	C04002	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/50
	C04003	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 005010 Data Element Dictionary for acceptable code values.	X ID 2/3
	C04004	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/50
	C04005	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 005010 Data Element Dictionary for acceptable code values.	X ID 2/3
	C04006	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/50

**Segment:** **PER** Administrative Communications Contact  
**Position:** 2500  
**Loop:** N1 Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:**

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

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

**Data Element Summary**

M	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
	PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
	PER02	93	<b>Name</b> Free-form name	O 1 AN 1/60
	PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X 1 AN 1/256
	PER05	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	PER06	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X 1 AN 1/256
	PER07	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	PER08	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X 1 AN 1/256
	PER09	443	<b>Contact Inquiry Reference</b> Additional reference number or description to clarify a contact number	O 1 AN 1/20

**Segment:** **BL Billing Information**

**Position:** 2620

**Loop:** N1 Mandatory

**Level:**

**Usage:** Optional

**Max Use:** 12

**Purpose:** To identify the individual billing segments within a movement when joint rail rates have been established between carriers but do not cover the entire movement

**Syntax Notes:**

- 1 At least one of BL02 or BL05 is required.
- 2 At least one of BL03 or BL09 is required.
- 3 If BL06 is present, then BL05 is required.
- 4 If BL10 is present, then BL09 is required.

**Semantic Notes:**

- 1 BL02 is the FSAC for the origin point of the rate for this portion of this movement.
- 2 BL03 is the FSAC for the destination point of the rate for this portion of the movement.
- 3 BL04 is the Standard Point Location Code (SPLC) for the origin point of the rate for this portion of the movement.
- 4 BL05 through BL07 is the city, state, and country for the rate for the beginning portion of the move.
- 5 BL08 is the Standard Point Location Code (SPLC) for the destination point of the rate for this portion of the move.
- 6 BL09 through BL11 is the city, state, and country for the rate for ending portion of the move.
- 7 BL12 is the Standard Carrier Alpha Code (SCAC) of the first carrier participating in the rate for the move defined in BL02 through BL11.

**Comments:**

#### Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	BL01	747 <b>Rebill Reason Code</b>	M	1 ID 2/2
		Code identifying reason for rebill Refer to 005010 Data Element Dictionary for acceptable code values.		
	BL02	573 <b>Freight Station Accounting Code</b>	X	1 ID 1/5
		Code (Freight Station Accounting) (AAR Managed Code for Locations)		
	BL03	573 <b>Freight Station Accounting Code</b>	X	1 ID 1/5
		Code (Freight Station Accounting) (AAR Managed Code for Locations)		
	BL04	154 <b>Standard Point Location Code</b>	O	1 ID 6/9
		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		
	BL05	19 <b>City Name</b>	X	1 AN 2/30
		Free-form text for city name		
	BL06	156 <b>State or Province Code</b>	O	1 ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency		
	BL07	26 <b>Country Code</b>	O	1 ID 2/3
		Code identifying the country		
	BL08	154 <b>Standard Point Location Code</b>	O	1 ID 6/9
		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		
	BL09	19 <b>City Name</b>	X	1 AN 2/30

		Free-form text for city name		
<b>BL10</b>	<b>156</b>	<b>State or Province Code</b>	<b>O</b>	<b>1 ID 2/2</b>
		Code (Standard State/Province) as defined by appropriate government agency		
<b>BL11</b>	<b>26</b>	<b>Country Code</b>	<b>O</b>	<b>1 ID 2/3</b>
		Code identifying the country		
<b>BL12</b>	<b>140</b>	<b>Standard Carrier Alpha Code</b>	<b>O</b>	<b>1 ID 2/4</b>
		Standard Carrier Alpha Code		
<b>BL13</b>	<b>140</b>	<b>Standard Carrier Alpha Code</b>	<b>O</b>	<b>1 ID 2/4</b>
		Standard Carrier Alpha Code		
<b>BL14</b>	<b>140</b>	<b>Standard Carrier Alpha Code</b>	<b>O</b>	<b>1 ID 2/4</b>
		Standard Carrier Alpha Code		
<b>BL15</b>	<b>140</b>	<b>Standard Carrier Alpha Code</b>	<b>O</b>	<b>1 ID 2/4</b>
		Standard Carrier Alpha Code		
<b>BL16</b>	<b>140</b>	<b>Standard Carrier Alpha Code</b>	<b>O</b>	<b>1 ID 2/4</b>
		Standard Carrier Alpha Code		
<b>BL17</b>	<b>140</b>	<b>Standard Carrier Alpha Code</b>	<b>O</b>	<b>1 ID 2/4</b>
		Standard Carrier Alpha Code		



**Segment:** **S1** Stop-off Name  
**Position:** 4400  
**Loop:** S1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a stop-off party  
**Syntax Notes:** 1 If either S103 or S104 is present, then the other is required.  
**Semantic Notes:** 1 S105 will contain the railroad initial responsible for this stop.  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	S101	165	<b>Stop Sequence Number</b> Identifying number for the specific stop and the sequence in which the stop is to be performed	M 1 N0 1/3
M	S102	93	<b>Name</b> Free-form name	M 1 AN 1/60
	S103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
	S104	67	<b>Identification Code</b> Code identifying a party or other code	X 1 AN 2/80
	S105	140	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	O 1 ID 2/4
M	S106	190	<b>Accomplish Code</b> Code indicating the status of a specified stop Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 1/1

**Segment:** **S2** Stop-off Address  
**Position:** 4500  
**Loop:** S1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the address of the stop-off party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:** 1 S201 contains the same stop sequence number used on a corresponding S1 Segment.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	S201	165	<b>Stop Sequence Number</b> Identifying number for the specific stop and the sequence in which the stop is to be performed	M 1 N0 1/3
M	S202	166	<b>Address Information</b> Address information	M 1 AN 1/55
	S203	166	<b>Address Information</b> Address information	O 1 AN 1/55

**Segment:** **S9** Stop-off Station  
**Position:** 4580  
**Loop:** S1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify location details for a stop-off  
**Syntax Notes:** 1 If either S907 or S908 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 S901 contains the same number used on a corresponding S1 Segment.

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	S901	165	<b>Stop Sequence Number</b> Identifying number for the specific stop and the sequence in which the stop is to be performed	M 1 N0 1/3
	S902	154	<b>Standard Point Location Code</b> 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
M	S903	19	<b>City Name</b> Free-form text for city name	M 1 AN 2/30
M	S904	156	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	M 1 ID 2/2
	S905	26	<b>Country Code</b> Code identifying the country	O 1 ID 2/3
M	S906	163	<b>Stop Reason Code</b> Code specifying the reason for the stop Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
	S907	309	<b>Location Qualifier</b> Code identifying type of location Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
	S908	310	<b>Location Identifier</b> Code which identifies a specific location	X 1 AN 1/30

**Segment:** **N1 Party Identification**  
**Position:** 4590  
**Loop:** S1 Optional  
**Level:**  
**Usage:** Optional  
**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.

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element</b>		
M	N101	98 <b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 2/3
	N102	93 <b>Name</b> Free-form name	X 1 AN 1/60
	N103	66 <b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
	N104	67 <b>Identification Code</b> Code identifying a party or other code	X 1 AN 2/80
	N105	706 <b>Entity Relationship Code</b> Code describing entity relationship Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
	N106	98 <b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 2/3

**Segment:** N2 Additional Name Information  
**Position:** 4600  
**Loop:** S1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify additional names  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N201	93	Name Free-form name	M 1 AN 1/60
	N202	93	Name Free-form name	O 1 AN 1/60

**Segment:** N3 Party Location  
**Position:** 4610  
**Loop:** S1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information	M 1 AN 1/55
	N302	166	Address Information Address information	O 1 AN 1/55

**Segment:** **N4 Geographic Location**  
**Position:** 4620  
**Loop:** S1 Optional  
**Level:**  
**Usage:** Optional  
**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.
- 2 N402 is required only if city name (N401) is in the U.S. or Canada.

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N401	19	City Name Free-form text for city name	O 1 AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	X 1 ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O 1 ID 3/15
N404	26	Country Code Code identifying the country	X 1 ID 2/3
N405	309	Location Qualifier Code identifying type of location Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
N406	310	Location Identifier Code which identifies a specific location	O 1 AN 1/30
N407	1715	Country Subdivision Code Code identifying the country subdivision	X 1 ID 1/3

**Segment:** **PER** Administrative Communications Contact  
**Position:** 4630  
**Loop:** S1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**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:**

**Data Element Summary**

M	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
	PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
	PER02	93	<b>Name</b> Free-form name	O 1 AN 1/60
	PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X 1 AN 1/256
	PER05	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	PER06	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X 1 AN 1/256
	PER07	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	PER08	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X 1 AN 1/256
	PER09	443	<b>Contact Inquiry Reference</b> Additional reference number or description to clarify a contact number	O 1 AN 1/20



**Segment:** **R2** Route Information  
**Position:** 4700  
**Loop:**  
**Level:**  
**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:**

#### Data Element Summary

Ref.	Data Element	Name	Attributes
M	R201	<b>140 Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	M 1 ID 2/4
M	R202	<b>133 Routing Sequence Code</b> Code describing the relationship of a carrier to a specific shipment movement Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 1/2
	R203	<b>19 City Name</b> Free-form text for city name	O 1 AN 2/30
	R204	<b>154 Standard Point Location Code</b> 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	<b>177 Intermodal Service Code</b> Code identifying the Intermodal Service Plan	O 1 ID 1/2
	R206	<b>91 Transportation Method/Type Code</b> Code specifying the method or type of transportation for the shipment Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/2
	R207	<b>296 Intermediate Switch Carrier</b> Code defining a road which neither originates nor terminates the shipment but provides a switching service between two roadhaul rail carriers (SCAC code for rail switch carrier)	X 1 ID 2/4
	R208	<b>296 Intermediate Switch Carrier</b> Code defining a road which neither originates nor terminates the shipment but provides a switching service between two roadhaul rail carriers (SCAC code for rail switch carrier)	O 1 ID 2/4
	R209	<b>76 Invoice Number</b> Identifying number assigned by issuer	O 1 AN 1/22
	R210	<b>373 Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8
	R211	<b>369 Free-form Description</b> Free-form descriptive text	O 1 AN 1/45
	R212	<b>56 Type of Service Code</b> Code specifying extent of transportation service requested Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
	R213	<b>742 Route Description</b> Point to point routing description	O 1 AN 1/35

**Segment:** **R9** **Route Code Identification**  
**Position:** 4850  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the route using a single code  
**Syntax Notes:** 1 If R909 is present, then R905 is required.  
**Semantic Notes:** 1 R904 is used to identify the Standard Carrier Alpha Code (SCAC) of the delivery switch carrier.  
2 R906 is the route source.  
3 If R907 is "Y", then this is a pricing (revenue) route. If "N", then this is an operating route.  
4 If R908 is "Y", then this is a local move. If "N", then this is an interline move.  
5 R909 is the new route code of the expired route code in R901. If used R905 must = "E"  
**Comments:**

**Data Element Summary**

Ref.	Data	Data Element Summary		Attributes
		Element	Name	
M		<b>1</b>	<b>Route Code</b> Mutually defined route code	<b>M 1 AN 1/13</b>
		<b>192</b>	<b>Agent/Shipper Routing Code</b> Code identifying source of routing specification Refer to 005010 Data Element Dictionary for acceptable code values.	<b>O 1 ID 1/1</b>
		<b>177</b>	<b>Intermodal Service Code</b> Code identifying the Intermodal Service Plan	<b>O 1 ID 1/2</b>
		<b>140</b>	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	<b>O 1 ID 2/4</b>
		<b>306</b>	<b>Action Code</b> Code indicating type of action Refer to 005010 Data Element Dictionary for acceptable code values.	<b>X 1 ID 1/2</b>
		<b>140</b>	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	<b>O 1 ID 2/4</b>
		<b>1073</b>	<b>Yes/No Condition or Response Code</b> Code indicating a Yes or No condition or response Refer to 005010 Data Element Dictionary for acceptable code values.	<b>O 1 ID 1/1</b>
		<b>1073</b>	<b>Yes/No Condition or Response Code</b> Code indicating a Yes or No condition or response Refer to 005010 Data Element Dictionary for acceptable code values.	<b>O 1 ID 1/1</b>
		<b>1</b>	<b>Route Code</b> Mutually defined route code	<b>O 1 AN 1/13</b>

**Segment:** **E1** Empty Car Disposition - Pended Destination Consignee  
**Position:** 4900  
**Loop:** E1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify the party receiving the empty car  
**Syntax Notes:** 1 If either E102 or E103 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

M	Ref.	Data	Attributes	
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
	E101	93	Name	M 1 AN 1/60
			Free-form name	
	E102	66	Identification Code Qualifier	X 1 ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)	
			Refer to 005010 Data Element Dictionary for acceptable code values.	
	E103	67	Identification Code	X 1 AN 2/80
			Code identifying a party or other code	

**Segment:** **E4** Empty Car Disposition - Pended Destination City  
**Position:** 5000  
**Loop:** E1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of named party receiving the empty car  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	E401	19	<b>City Name</b> Free-form text for city name	M 1 AN 2/30
M	E402	156	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	M 1 ID 2/2
	E403	116	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O 1 ID 3/15
	E404	26	<b>Country Code</b> Code identifying the country	O 1 ID 2/3

**Segment:** **E5** Empty Car Disposition - Pended Destination Route  
**Position:** 5100  
**Loop:** E1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 13  
**Purpose:** To specify the routing of the empty car  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	E501	140	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	M 1 ID 2/4
M	E502	133	<b>Routing Sequence Code</b> Code describing the relationship of a carrier to a specific shipment movement Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 1/2
	E503	19	<b>City Name</b> Free-form text for city name	O 1 AN 2/30
	E504	154	<b>Standard Point Location Code</b> 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

**Segment:** **PI** Price Authority Identification  
**Position:** 5110  
**Loop:** E1 Optional  
**Level:**  
**Usage:** Optional  
**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:**

**Data Element Summary**

Ref.	Data	Attributes	
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PI01	128	M 1 ID 2/3
		<b>Reference Identification Qualifier</b>	
		Code qualifying the Reference Identification	
		Refer to 005010 Data Element Dictionary for acceptable code values.	
M	PI02	127	M 1 AN 1/50
		<b>Reference Identification</b>	
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
	PI03	436	O 1 ID 2/2
		<b>Primary Publication Authority Code</b>	
		Code indicating type of external reference	
		Refer to 005010 Data Element Dictionary for acceptable code values.	
	PI04	930	O 1 ID 3/5
		<b>Regulatory Agency Code</b>	
		Code relating to the regulatory agency governing the price reference	
	PI05	168	O 1 ID 1/4
		<b>Tariff Agency Code</b>	
		Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment	
	PI06	965	O 1 AN 1/10
		<b>Issuing Carrier Identifier</b>	
		Identification assigned by issuing carrier	
	PI07	660	O 1 AN 1/2
		<b>Contract Suffix</b>	
		Used to identify a type of contract	
	PI08	169	O 1 AN 1/16
		<b>Tariff Item Number</b>	
		Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment	
	PI09	173	O 1 AN 1/4
		<b>Tariff Supplement Identifier</b>	
		Identifier for the tariff supplement which contains the rate used	
	PI10	172	O 1 AN 1/2
		<b>Tariff Section Number</b>	
		Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff	
	PI11	660	O 1 AN 1/2
		<b>Contract Suffix</b>	
		Used to identify a type of contract	
	PI12	373	O 1 DT 8/8
		<b>Date</b>	
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	
	PI13	373	O 1 DT 8/8
		<b>Date</b>	

		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year		
<b>PI14</b>	<b>629</b>	<b>Alternation Precedence Code</b>	<b>O</b>	<b>1 ID 1/1</b>
		Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual carrier rules and procedures shall govern Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>PI15</b>	<b>629</b>	<b>Alternation Precedence Code</b>	<b>O</b>	<b>1 ID 1/1</b>
		Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual carrier rules and procedures shall govern Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>PI16</b>	<b>284</b>	<b>Service Level Code</b>	<b>O</b>	<b>1 ID 2/2</b>
		Code indicating the level of transportation service or the billing service offered by the transportation carrier Refer to 005010 Data Element Dictionary for acceptable code values.		

**Segment:** **H3** Special Handling Instructions  
**Position:** 5200  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 20  
**Purpose:** To specify special handling instructions in coded or free-form format  
**Syntax Notes:** 1 Only one of H301 or H302 may be present.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
H301	152	<b>Special Handling Code</b> Code specifying special transportation handling instructions Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/3
H302	153	<b>Special Handling Description</b> 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
H303	241	<b>Protective Service Code</b> Code specifying perishable protective service- rail carriers only Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/4
H304	242	<b>Vent Instruction Code</b> Code specifying vent instructions Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/7
H305	257	<b>Tariff Application Code</b> Code indicating to which traffic a tariff applies Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1



**Segment:** **PS** **Protective Service Instructions**  
**Position:** 5300  
**Loop:**  
**Level:**  
**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.

#### Data Element Summary

Ref.	Data Element	Name	Attributes
M	PS01	746 <b>Protective Service Rule Code</b> Association of American Railroads (AAR) Protective Service that applies to shipment	M 1 ID 3/9
M	PS02	241 <b>Protective Service Code</b> Code specifying perishable protective service- rail carriers only Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 1/4
	PS03	355 <b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	PS04	408 <b>Temperature</b> Temperature	X 1 R 1/4
	PS05	140 <b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	O 1 ID 2/4
	PS06	573 <b>Freight Station Accounting Code</b> Code (Freight Station Accounting) (AAR Managed Code for Locations)	O 1 ID 1/5
	PS07	19 <b>City Name</b> Free-form text for city name	O 1 AN 2/30
	PS08	156 <b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	O 1 ID 2/2
	PS09	81 <b>Weight</b> Numeric value of weight	O 1 R 1/10
	PS10	745 <b>Pre-Cooled (Rule 710) Code</b> Code indicating whether or not the shipment was precooled per Association of American Railroads Protective Service Rule 710 Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1

<b>PS11</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>O</b>	<b>1 ID 1/1</b>
		Code indicating a Yes or No condition or response Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>PS12</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>O</b>	<b>1 ID 1/1</b>
		Code indicating a Yes or No condition or response Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>PS13</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>O</b>	<b>1 ID 1/1</b>
		Code indicating a Yes or No condition or response Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>PS14</b>	<b>408</b>	<b>Temperature</b>	<b>X</b>	<b>1 R 1/4</b>
		Temperature		

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

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	LX01	554	Assigned Number Number assigned for differentiation within a transaction set	M 1 N0 1/6

**Segment:** **L5** Description, Marks and Numbers  
**Position:** 5500  
**Loop:** LX Mandatory  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 15  
**Purpose:** To specify the line item in terms of description, quantity, packaging, and marks and numbers

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

**Semantic Notes:**

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

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
L501	213	<b>Lading Line Item Number</b> Sequential line number for a lading item	O 1 N0 1/3
L502	79	<b>Lading Description</b> Description of an item as required for rating and billing purposes	O 1 AN 1/50
L503	22	<b>Commodity Code</b> Code describing a commodity or group of commodities	X 1 AN 1/30
L504	23	<b>Commodity Code Qualifier</b> Code identifying the commodity coding system used for Commodity Code Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 1/1
L505	103	<b>Packaging Code</b> Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 AN 3/5
L506	87	<b>Marks and Numbers</b> Marks and numbers used to identify a shipment or parts of a shipment	X 1 AN 1/48
L507	88	<b>Marks and Numbers Qualifier</b> Code specifying the application or source of Marks and Numbers (87) Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/2
L508	23	<b>Commodity Code Qualifier</b> Code identifying the commodity coding system used for Commodity Code Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 1/1
L509	22	<b>Commodity Code</b> Code describing a commodity or group of commodities	X 1 AN 1/30
L510	595	<b>Compartment ID Code</b> Code identifying the compartment in a compartmentalized tank car Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1

**Segment:** **L0** Line Item - Quantity and Weight  
**Position:** 5700  
**Loop:** L0 Optional  
**Level:**  
**Usage:** Optional  
**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.

#### Data Element Summary

Ref.	Data		Attributes
Des.	Element	Name	
L001	213	<b>Lading Line Item Number</b>	O 1 N0 1/3
		Sequential line number for a lading item	
L002	220	<b>Billed/Rated-as Quantity</b>	X 1 R 1/11
		Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	
L003	221	<b>Billed/Rated-as Qualifier</b>	X 1 ID 2/2
		Code identifying the type of quantity or value on which the rate or item pricing is based	
		Refer to 005010 Data Element Dictionary for acceptable code values.	
L004	81	<b>Weight</b>	X 1 R 1/10
		Numeric value of weight	
L005	187	<b>Weight Qualifier</b>	X 1 ID 1/2
		Code defining the type of weight	
		Refer to 005010 Data Element Dictionary for acceptable code values.	
L006	183	<b>Volume</b>	X 1 R 1/8
		Value of volumetric measure	
L007	184	<b>Volume Unit Qualifier</b>	X 1 ID 1/1
		Code identifying the volume unit	
		Refer to 005010 Data Element Dictionary for acceptable code values.	
L008	80	<b>Lading Quantity</b>	X 1 N0 1/7
		Number of units (pieces) of the lading commodity	
L009	211	<b>Packaging Form Code</b>	X 1 ID 3/3
		Code for packaging form of the lading quantity	
		Refer to 005010 Data Element Dictionary for acceptable code values.	
L010	458	<b>Dunnage Description</b>	O 1 AN 2/25
		Material used to protect lading	
L011	188	<b>Weight Unit Code</b>	O 1 ID 1/1

		Code specifying the weight unit Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>L012</b>	<b>56</b>	<b>Type of Service Code</b>	<b>O</b>	<b>1 ID 2/2</b>
		Code specifying extent of transportation service requested Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>L013</b>	<b>380</b>	<b>Quantity</b>	<b>X</b>	<b>1 R 1/15</b>
		Numeric value of quantity		
<b>L014</b>	<b>211</b>	<b>Packaging Form Code</b>	<b>O</b>	<b>1 ID 3/3</b>
		Code for packaging form of the lading quantity Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>L015</b>	<b>1073</b>	<b>Yes/No Condition or Response Code</b>	<b>X</b>	<b>1 ID 1/1</b>
		Code indicating a Yes or No condition or response Refer to 005010 Data Element Dictionary for acceptable code values.		

**Segment:** **MEA** Measurements

**Position:** 5750

**Loop:** L0 Optional

**Level:**

**Usage:** Optional

**Max Use:** 3

**Purpose:** To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)

- Syntax Notes:**
- 1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
  - 2 Only one of MEA04 or MEA12 may be present.
  - 3 If MEA05 is present, then at least one of MEA04 or MEA12 is required.
  - 4 If MEA06 is present, then at least one of MEA04 or MEA12 is required.
  - 5 If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
  - 6 Only one of MEA08 or MEA03 may be present.
  - 7 If either MEA11 or MEA12 is present, then the other is required.

- Semantic Notes:**
- 1 MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
  - 2 MEA11 is the external code list for the unit of measure.
  - 3 MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an external code list.

- Comments:**
- 1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

#### Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
MEA01	737	<b>Measurement Reference ID Code</b>	<b>O</b>	<b>1 ID 2/2</b>
		Code identifying the broad category to which a measurement applies Refer to 005010 Data Element Dictionary for acceptable code values.		
MEA02	738	<b>Measurement Qualifier</b>	<b>O</b>	<b>1 ID 1/3</b>
		Code identifying a specific product or process characteristic to which a measurement applies Refer to 005010 Data Element Dictionary for acceptable code values.		
MEA03	739	<b>Measurement Value</b>	<b>X</b>	<b>1 R 1/20</b>
		The value of the measurement		
MEA04	C001	<b>Composite Unit of Measure</b>	<b>X</b>	<b>1</b>
		To identify a composite unit of measure (See Figures Appendix for examples of use)		
M	C00101	355 <b>Unit or Basis for Measurement Code</b>	<b>M</b>	<b>ID 2/2</b>
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.		
	C00102	1018 <b>Exponent</b>	<b>O</b>	<b>R 1/15</b>
		Power to which a unit is raised		
	C00103	649 <b>Multiplier</b>	<b>O</b>	<b>R 1/10</b>
		Value to be used as a multiplier to obtain a new value		
	C00104	355 <b>Unit or Basis for Measurement Code</b>	<b>O</b>	<b>ID 2/2</b>
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.		
	C00105	1018 <b>Exponent</b>	<b>O</b>	<b>R 1/15</b>
		Power to which a unit is raised		
	C00106	649 <b>Multiplier</b>	<b>O</b>	<b>R 1/10</b>

		Value to be used as a multiplier to obtain a new value		
<b>C00107</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>O</b>	<b>ID 2/2</b>
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>C00108</b>	<b>1018</b>	<b>Exponent</b>	<b>O</b>	<b>R 1/15</b>
		Power to which a unit is raised		
<b>C00109</b>	<b>649</b>	<b>Multiplier</b>	<b>O</b>	<b>R 1/10</b>
		Value to be used as a multiplier to obtain a new value		
<b>C00110</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>O</b>	<b>ID 2/2</b>
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>C00111</b>	<b>1018</b>	<b>Exponent</b>	<b>O</b>	<b>R 1/15</b>
		Power to which a unit is raised		
<b>C00112</b>	<b>649</b>	<b>Multiplier</b>	<b>O</b>	<b>R 1/10</b>
		Value to be used as a multiplier to obtain a new value		
<b>C00113</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>O</b>	<b>ID 2/2</b>
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>C00114</b>	<b>1018</b>	<b>Exponent</b>	<b>O</b>	<b>R 1/15</b>
		Power to which a unit is raised		
<b>C00115</b>	<b>649</b>	<b>Multiplier</b>	<b>O</b>	<b>R 1/10</b>
		Value to be used as a multiplier to obtain a new value		
<b>MEA05</b>	<b>740</b>	<b>Range Minimum</b>	<b>X</b>	<b>1 R 1/20</b>
		The value specifying the minimum of the measurement range		
<b>MEA06</b>	<b>741</b>	<b>Range Maximum</b>	<b>X</b>	<b>1 R 1/20</b>
		The value specifying the maximum of the measurement range		
<b>MEA07</b>	<b>935</b>	<b>Measurement Significance Code</b>	<b>O</b>	<b>1 ID 2/2</b>
		Code used to benchmark, qualify or further define a measurement value Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>MEA08</b>	<b>936</b>	<b>Measurement Attribute Code</b>	<b>X</b>	<b>1 ID 2/2</b>
		Code used to express an attribute response when a numeric measurement value cannot be determined Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>MEA09</b>	<b>752</b>	<b>Surface/Layer/Position Code</b>	<b>O</b>	<b>1 ID 2/2</b>
		Code indicating the product surface, layer or position that is being described Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>MEA10</b>	<b>1373</b>	<b>Measurement Method or Device</b>	<b>O</b>	<b>1 ID 2/4</b>
		The method or device used to record the measurement Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>MEA11</b>	<b>1270</b>	<b>Code List Qualifier Code</b>	<b>X</b>	<b>1 ID 1/3</b>
		Code identifying a specific industry code list Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>MEA12</b>	<b>1271</b>	<b>Industry Code</b>	<b>X</b>	<b>1 AN 1/30</b>
		Code indicating a code from a specific industry code list		



**Segment:** **PI** Price Authority Identification  
**Position:** 5900  
**Loop:** L0 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 30  
**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:**

**Data Element Summary**

Ref.	Data	Attributes		
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	PI01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 2/3
M	PI02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M 1 AN 1/50
	PI03	436	<b>Primary Publication Authority Code</b> Code indicating type of external reference Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
	PI04	930	<b>Regulatory Agency Code</b> Code relating to the regulatory agency governing the price reference	O 1 ID 3/5
	PI05	168	<b>Tariff Agency Code</b> Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment	O 1 ID 1/4
	PI06	965	<b>Issuing Carrier Identifier</b> Identification assigned by issuing carrier	O 1 AN 1/10
	PI07	660	<b>Contract Suffix</b> Used to identify a type of contract	O 1 AN 1/2
	PI08	169	<b>Tariff Item Number</b> 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
	PI09	173	<b>Tariff Supplement Identifier</b> Identifier for the tariff supplement which contains the rate used	O 1 AN 1/4
	PI10	172	<b>Tariff Section Number</b> 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
	PI11	660	<b>Contract Suffix</b> Used to identify a type of contract	O 1 AN 1/2
	PI12	373	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8
	PI13	373	<b>Date</b>	O 1 DT 8/8

		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year		
<b>PI14</b>	<b>629</b>	<b>Alternation Precedence Code</b>	<b>O</b>	<b>1 ID 1/1</b>
		Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual carrier rules and procedures shall govern Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>PI15</b>	<b>629</b>	<b>Alternation Precedence Code</b>	<b>O</b>	<b>1 ID 1/1</b>
		Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual carrier rules and procedures shall govern Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>PI16</b>	<b>284</b>	<b>Service Level Code</b>	<b>O</b>	<b>1 ID 2/2</b>
		Code indicating the level of transportation service or the billing service offered by the transportation carrier Refer to 005010 Data Element Dictionary for acceptable code values.		

**Segment:** **X1** Export License  
**Position:** 5950  
**Loop:** LX Mandatory  
**Level:**  
**Usage:** Optional  
**Max Use:** 6  
**Purpose:** To transmit information contained on an export license  
**Syntax Notes:**  
**Semantic Notes:**

- 1 X104 is the export license expiration date.
- 2 X116 is the export classification code number (ECCN).
- 3 X117 is the Schedule D designation for the central location where the Shipper Export Declarations (SEDs) have been batch filed.

**Comments:**

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
X101	83	<b>Code For Licensing, Certification, Registration, or Accreditation Agency</b> Code identifying a licensing, certification, registration, or accreditation agency. Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/2
X102	50	<b>Export License Number</b> Government assigned identification number for exporter	O 1 AN 6/35
X103	51	<b>Export License Status Code</b> Code defining whether the shipment completes the terms of the license, or the shipment is only a partial delivery relative to the license terms Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
X104	373	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8
X105	52	<b>Export License Symbol Code</b> Code which specifies the export symbol marked on a shipment Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/2
X106	48	<b>Export License Control Code</b> Code indicating the type of control applicable to the export license Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
X107	26	<b>Country Code</b> Code identifying the country	O 1 ID 2/3
X108	141	<b>Schedule B Code</b> Code identifying commodity number established for international statistical purposes	O 1 ID 7/10
X109	210	<b>International/Domestic Code</b> Code indicating international or domestic shipment Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
X110	80	<b>Lading Quantity</b> Number of units (pieces) of the lading commodity	O 1 N0 1/7
X111	148	<b>Lading Value</b> Value of shipment for export, expressed in the standard monetary denomination for the currency specified	O 1 R 2/9
X112	47	<b>Export Filing Key Code</b> Code indicating the type of communications with customs Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1

<b>X113</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b>	<b>O</b>	<b>1</b>	<b>ID 2/2</b>
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.			
<b>X114</b>	<b>212</b>	<b>Unit Price</b>	<b>O</b>	<b>1</b>	<b>R 1/17</b>
		Price per unit of product, service, commodity, etc.			
<b>X115</b>	<b>1306</b>	<b>U.S. Government License Type</b>	<b>O</b>	<b>1</b>	<b>AN 1/1</b>
		Code to identify the type of government license involved			
<b>X116</b>	<b>67</b>	<b>Identification Code</b>	<b>O</b>	<b>1</b>	<b>AN 2/80</b>
		Code identifying a party or other code			
<b>X117</b>	<b>310</b>	<b>Location Identifier</b>	<b>O</b>	<b>1</b>	<b>AN 1/30</b>
		Code which identifies a specific location			

**Segment:** **T1** Transit Inbound Origin  
**Position:** 6000  
**Loop:** T1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify origin point and waybill references of movement to transit waybill point  
**Syntax Notes:** 1 If either T105 or T106 is present, then the other is required.  
2 If either T110 or T111 is present, then the other is required.  
**Semantic Notes:** 1 Related T1, T2, and T3 segments have the same transit sequence number value in the first data element.  
2 T102 will contain the inbound shipment waybill numbers.  
3 T103 will contain the inbound shipment waybill date.  
4 T104 is the Standard Carrier Alpha Code (SCAC) of the origin carrier.  
5 T105 is the origin station for movement.  
6 T110 and T111 are used on local transit only, to convey the previous Inbound Transit Bill of Lading Number or Shipment Identification Number.

**Comments:**

**Data Element Summary**

Ref.	Data	Attributes	
<u>Des.</u>	<u>Element</u> <u>Name</u>		
M	<b>T101</b> 554 <b>Assigned Number</b>	M	1 N0 1/6
	Number assigned for differentiation within a transaction set		
	<b>T102</b> 186 <b>Waybill Number</b>	O	1 N0 1/6
	Carrier accounting number of the waybill for the inbound movement		
	<b>T103</b> 373 <b>Date</b>	O	1 DT 8/8
	Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year		
	<b>T104</b> 140 <b>Standard Carrier Alpha Code</b>	O	1 ID 2/4
	Standard Carrier Alpha Code		
	<b>T105</b> 19 <b>City Name</b>	X	1 AN 2/30
	Free-form text for city name		
	<b>T106</b> 156 <b>State or Province Code</b>	X	1 ID 2/2
	Code (Standard State/Province) as defined by appropriate government agency		
	<b>T107</b> 154 <b>Standard Point Location Code</b>	O	1 ID 6/9
	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		
	<b>T108</b> 229 <b>Transit Registration Number</b>	O	1 AN 1/6
	Freight bill or bureau number used to identify a transit shipment		
	<b>T109</b> 461 <b>Transit Level Code</b>	O	1 ID 1/3
	Code indicating level of inbound transit references Refer to 005010 Data Element Dictionary for acceptable code values.		
	<b>T110</b> 128 <b>Reference Identification Qualifier</b>	X	1 ID 2/3
	Code qualifying the Reference Identification Refer to 005010 Data Element Dictionary for acceptable code values.		
	<b>T111</b> 127 <b>Reference Identification</b>	X	1 AN 1/50
	Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

**Segment:** **T2 Transit Inbound Lading**  
**Position:** 6100  
**Loop:** T1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 30  
**Purpose:** To specify lading description, including weight and rate details applying to the associated T1 segment

**Syntax Notes:**  
1 If either T205 or T206 is present, then the other is required.  
2 If either T207 or T208 is present, then the other is required.

**Semantic Notes:**  
1 T203 is the transit portion weight from inbound movement.  
2 In T209, "City" is used for the combination through-rate city.  
3 In T210, "City" is used for the combination paid-in city.

**Comments:**  
1 Related T1, T2, and T3 segments have the same transit sequence number value in the first data element.  
2 T205 is the through-freight-rate that applies to the shipment from the point of origin inland movement to the point of destination of the current movement.  
3 T207 is the paid-in-rate basis of the paid-in portion of the shipment.

#### Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	T201	554 <b>Assigned Number</b> Number assigned for differentiation within a transaction set	M	1 N0 1/6
	T202	79 <b>Lading Description</b> Description of an item as required for rating and billing purposes	O	1 AN 1/50
	T203	81 <b>Weight</b> Numeric value of weight	O	1 R 1/10
	T204	187 <b>Weight Qualifier</b> Code defining the type of weight Refer to 005010 Data Element Dictionary for acceptable code values.	O	1 ID 1/2
	T205	60 <b>Freight Rate</b> Rate that applies to the specific commodity	X	1 R 1/9
	T206	122 <b>Rate/Value Qualifier</b> Code qualifying how to extend charges or interpret value Refer to 005010 Data Element Dictionary for acceptable code values.	X	1 ID 2/2
	T207	60 <b>Freight Rate</b> Rate that applies to the specific commodity	X	1 R 1/9
	T208	122 <b>Rate/Value Qualifier</b> Code qualifying how to extend charges or interpret value Refer to 005010 Data Element Dictionary for acceptable code values.	X	1 ID 2/2
	T209	19 <b>City Name</b> Free-form text for city name	O	1 AN 2/30
	T210	19 <b>City Name</b> Free-form text for city name	O	1 AN 2/30
	T211	462 <b>Through Surcharge Percent</b> Percentage of through freight charges to be charged extra as a surcharge	O	1 N2 2/4
	T212	463 <b>Paid-In Surcharge Percent</b> Percentage of paid-in freight charges to be charged extra as a surcharge	O	1 N2 2/4

**Segment:** **T3** Transit Inbound Route

**Position:** 6200

**Loop:** T1 Optional

**Level:**

**Usage:** Optional

**Max Use:** 12

**Purpose:** To specify transit inbound routing, including equipment identifications for associated T1 and T2 segments

**Syntax Notes:** 1 If either T306 or T307 is present, then the other is required.

**Semantic Notes:** 1 T306 will contain the equipment initial of the inbound car.

2 T307 will contain the equipment number of the inbound car.

**Comments:** 1 Related T1, T2, and T3 segments have the same transit sequence number value in the first data element.

2 T304 is the station or city name at which carriers interchange shipments. T304 will contain the Association of American Railroads (AAR) Accounting Rule 260 junction rule.

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>			<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	T301	554	<b>Assigned Number</b> Number assigned for differentiation within a transaction set	M	1 N0 1/6
M	T302	140	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	M	1 ID 2/4
	T303	133	<b>Routing Sequence Code</b> Code describing the relationship of a carrier to a specific shipment movement Refer to 005010 Data Element Dictionary for acceptable code values.	O	1 ID 1/2
	T304	19	<b>City Name</b> Free-form text for city name	O	1 AN 2/30
	T305	154	<b>Standard Point Location Code</b> 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
	T306	206	<b>Equipment Initial</b> Prefix or alphabetic part of an equipment unit's identifying number	X	1 AN 1/4
	T307	207	<b>Equipment Number</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	X	1 AN 1/15

**Segment:** **T6** Transit Inbound Rates  
**Position:** 6300  
**Loop:** T1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify the transit inbound prior origin point and waybill reference of movement to the point specified in T1 segment

**Syntax Notes:** 1 If either T602 or T603 is present, then the other is required.  
 2 If either T605 or T606 is present, then the other is required.

**Semantic Notes:** 1 T602 is the through-freight-rate that applies to the shipment from the point of origin of the inland movement to the point of destination of the current billing movement.  
 2 In T604, "City" is used for the combination through-rate city.  
 3 T605 is the paid-in-rate basis of the paid-in portion of the shipment.

**Comments:** 1 T601 must contain the same number that is on the corresponding T1 segment.  
 2 In T607, "City" is used for the combination paid-in rate city.

#### Data Element Summary

Ref.	Data	Attributes	
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	T601	554 <b>Assigned Number</b> Number assigned for differentiation within a transaction set	M 1 N0 1/6
	T602	60 <b>Freight Rate</b> Rate that applies to the specific commodity	X 1 R 1/9
	T603	122 <b>Rate/Value Qualifier</b> Code qualifying how to extend charges or interpret value Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	T604	19 <b>City Name</b> Free-form text for city name	O 1 AN 2/30
	T605	60 <b>Freight Rate</b> Rate that applies to the specific commodity	X 1 R 1/9
	T606	122 <b>Rate/Value Qualifier</b> Code qualifying how to extend charges or interpret value Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	T607	19 <b>City Name</b> Free-form text for city name	O 1 AN 2/30



**Segment:** **T8** Free-form Transit Data  
**Position:** 6400  
**Loop:** T1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 99  
**Purpose:** To transmit information in a free-form format relating to a specified transit sequence number

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 T801 must contain the same transit sequence number that is on the corresponding T1.

**Data Element Summary**

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	T801	554	<b>Assigned Number</b> Number assigned for differentiation within a transaction set	M 1 N0 1/6
M	T802	299	<b>Transit Free-form Data</b> Free-form data relative to inbound transit information	M 1 AN 1/80

**Segment:** **LS** Loop Header  
**Position:** 6600  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To indicate that the next segment begins a loop  
**Syntax Notes:**  
**Semantic Notes:**

- 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:**

- See Figures Appendix for an explanation of the use of the LS and LE segments.

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	LS01	447 Loop Identifier Code	M 1 AN 1/4
		The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE	

**Segment:** **LH1** **Hazardous Identification Information**  
**Position:** 6700  
**Loop:** LH1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the hazardous commodity identification reference number and quantity  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

- 1 LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.
- 2 LH106 and LH107 are used to convey the quantity or volume and unit of measure for 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.

#### Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	LH101	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
M	LH102	80	<b>Lading Quantity</b> Number of units (pieces) of the lading commodity	M 1 N0 1/7
	LH103	277	<b>UN/NA Identification Code</b> Code identifying the hazardous material identification number as required by Title 49 of the code of Federal Regulations; UN/NA stands for United Nations/North America	O 1 ID 6/6
	LH104	200	<b>Hazardous Materials Page</b> The United Nations page number as required for the international transport of hazardous materials	O 1 AN 1/6
	LH105	22	<b>Commodity Code</b> Code describing a commodity or group of commodities	O 1 AN 1/30
	LH106	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
	LH107	380	<b>Quantity</b> Numeric value of quantity	O 1 R 1/15
	LH108	595	<b>Compartment ID Code</b> Code identifying the compartment in a compartmentalized tank car Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
	LH109	665	<b>Residue Indicator Code</b> Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
	LH110	254	<b>Packing Group Code</b> Code indicating degree of danger in terms of Roman number I, II or III	O 1 ID 1/3
	LH111	1375	<b>Interim Hazardous Material Regulatory Number</b> Identifies the current regulatory version number used for hazardous materials shipments	O 1 AN 1/5

<b>Segment:</b>	<b>LH2</b> Hazardous Classification Information
<b>Position:</b>	6800
<b>Loop:</b>	LH1          Optional
<b>Level:</b>	
<b>Usage:</b>	Optional
<b>Max Use:</b>	4
<b>Purpose:</b>	To specify the hazardous notation and endorsement information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either LH206 or LH207 is present, then the other is required.</li> <li>2 If either LH208 or LH209 is present, then the other is required.</li> <li>3 If either LH210 or LH211 is present, then the other is required.</li> <li>4 If either LH212 or LH213 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 LH206 and LH207 indicate the flashpoint temperature.</li> <li>2 LH208 and LH209 indicate the control temperature.</li> <li>3 LH210 and LH211 indicate the emergency temperature.</li> <li>4 LH212 and LH213 indicate the net explosive weight.</li> </ol>
<b>Comments:</b>	

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
LH201	215	<b>Hazardous Classification</b> The hazardous classification corresponding to the shipping name of the hazardous commodity	O    1 ID 1/30
LH202	983	<b>Hazardous Class Qualifier</b> Code qualifying hazardous class Refer to 005010 Data Element Dictionary for acceptable code values.	O    1 ID 1/1
LH203	218	<b>Hazardous Placard Notation</b> The placard notation corresponding to the hazard class of the hazardous commodity	O    1 ID 14/40
LH204	222	<b>Hazardous Endorsement</b> The placard endorsement that is to be shown on the shipping papers for the hazardous commodity	O    1 ID 4/25
LH205	759	<b>Reportable Quantity Code</b> Code to identify presence of hazardous substance Refer to 005010 Data Element Dictionary for acceptable code values.	O    1 ID 2/2
LH206	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.	X    1 ID 2/2
LH207	408	<b>Temperature</b> Temperature	X    1 R 1/4
LH208	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.	X    1 ID 2/2
LH209	408	<b>Temperature</b> Temperature	X    1 R 1/4
LH210	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.	X    1 ID 2/2
LH211	408	<b>Temperature</b> Temperature	X    1 R 1/4

<b>LH212</b>	<b>188</b>	<b>Weight Unit Code</b>	<b>X</b>	<b>1 ID 1/1</b>
		Code specifying the weight unit Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>LH213</b>	<b>267</b>	<b>Net Explosive Quantity</b>	<b>X</b>	<b>1 N0 1/10</b>
		Net weight of the explosive quantity of the hazardous commodity		

**Segment:** **LH3** Hazardous Material Shipping Name Information  
**Position:** 6900  
**Loop:** LH1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify the hazardous material shipping name and additional descriptive requirements  
**Syntax Notes:** 1 If either LH301 or LH302 is present, then the other is required.  
**Semantic Notes:** 1 If LH304 is "Y", then this is an Association of American Railroads Operations and Transportation Bulletin 55 commodity. If "N", it is not an Association of American Railroads Operations and Transportation Bulletin 55 commodity.  
**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
LH301	224	<b>Hazardous Material Shipping Name</b>	X 1 AN 1/25
		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	
LH302	984	<b>Hazardous Material Shipping Name Qualifier</b>	X 1 ID 1/1
		Qualifier indicating the source (regulatory) of the proper shipping name Refer to 005010 Data Element Dictionary for acceptable code values.	
LH303	985	<b>N.O.S. Indicator Code</b>	O 1 ID 3/3
		Code indicating the type of regulatory requirements that apply to a description; N.O.S. stands for Not Otherwise Specified Refer to 005010 Data Element Dictionary for acceptable code values.	
LH304	1073	<b>Yes/No Condition or Response Code</b>	O 1 ID 1/1
		Code indicating a Yes or No condition or response Refer to 005010 Data Element Dictionary for acceptable code values.	

**Segment:** **LFH** Free-form Hazardous Material Information  
**Position:** 7000  
**Loop:** LH1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 20  
**Purpose:** To uniquely identify the variable information required by government regulation covering the transportation of hazardous material shipments

- Syntax Notes:** 1 If either LFH05 or LFH06 is present, then the other is required.  
**Semantic Notes:** 1 LFH06 indicates activity of the radioactive material.  
 2 LFH07 indicates transport index of the radioactive material.  
 3 LFH08 is the date fumigation began.

**Comments:**

#### Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	LFH01	808	<b>Hazardous Material Shipment Information Qualifier</b> Qualifier indicating the type of information being passed so that a receiver may format a description of hazardous commodity movements that meets regulatory requirements Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 3/3
M	LFH02	809	<b>Hazardous Material Shipment Information</b> Specific information required by law for hazardous material shipments	M 1 AN 1/25
	LFH03	809	<b>Hazardous Material Shipment Information</b> Specific information required by law for hazardous material shipments	O 1 AN 1/25
	LFH04	1023	<b>Hazard Zone Code</b> Code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
	LFH05	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	LFH06	380	<b>Quantity</b> Numeric value of quantity	X 1 R 1/15
	LFH07	380	<b>Quantity</b> Numeric value of quantity	O 1 R 1/15
	LFH08	373	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8

**Segment:** **LEP** EPA Required Data  
**Position:** 7100  
**Loop:** LH1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To specify the Environmental Protection Agency (EPA) information relating to shipments of hazardous material  
**Syntax Notes:** 1 If either LEP03 or LEP04 is present, then the other is required.  
**Semantic Notes:** 1 LEP03 is used to identify the state or province responsible for the hazardous waste number contained in LEP04.  
2 LEP04 is the hazardous waste number.  
**Comments:**

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
LEP01	806	EPA Waste Stream Number Code Waste stream number applicable to the movement of hazardous waste as determined by government regulations	O 1 ID 4/6
LEP02	807	Waste Characteristics Code Waste characteristics as defined by regulatory requirements	O 1 ID 12/16
LEP03	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	X 1 ID 2/2
LEP04	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X 1 AN 1/50



**Segment:** **LH4** Canadian Dangerous Requirements  
**Position:** 7200  
**Loop:** LH1 Optional  
**Level:**  
**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.

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
LH401	238	<b>Emergency Response Plan Number</b> The identity number of a specific hazardous emergency response plan that is assigned by the Director General of Canada	X 1 AN 1/12
LH402	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X 1 AN 1/256
LH403	254	<b>Packing Group Code</b> Code indicating degree of danger in terms of Roman number I, II or III	O 1 ID 1/3
LH404	230	<b>Subsidiary Classification</b> 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
LH405	230	<b>Subsidiary Classification</b> 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
LH406	230	<b>Subsidiary Classification</b> 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	<b>Subsidiary Risk Indicator</b> Code identifying the type of subsidiary risk Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/2
LH408	267	<b>Net Explosive Quantity</b> Net weight of the explosive quantity of the hazardous commodity	X 1 N0 1/10
LH409	805	<b>Canadian Hazardous Notation</b> Notation required by Canadian regulatory agencies	O 1 AN 1/25
LH410	986	<b>Special Commodity Indicator Code</b> Code indicating 'Special Commodity' notation on operational waybill as identified by the Transportation of Dangerous Goods Act and Regulation (TDG) Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
LH411	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	O 1 AN 1/256
LH412	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X 1 ID 2/2

Refer to 005010 Data Element Dictionary for acceptable code values.

**Segment:** **LHT** Transborder Hazardous Requirements  
**Position:** 7300  
**Loop:** LH1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To specify the placard information required by the second government agency when shipment is to cross into another country

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

**Data Element Summary**

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

**Segment:** **LHR** Hazardous Material Identifying Reference Numbers  
**Position:** 7400  
**Loop:** LH1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 5  
**Purpose:** To transmit specific hazardous material reference numbers  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	LHR01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 2/3
M	LHR02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M 1 AN 1/50
	LHR03	373	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8

**Segment:** **PER** Administrative Communications Contact  
**Position:** 7450  
**Loop:** LH1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 5  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:**

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

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

**Data Element Summary**

M	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
	PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
	PER02	93	<b>Name</b> Free-form name	O 1 AN 1/60
	PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X 1 AN 1/256
	PER05	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	PER06	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X 1 AN 1/256
	PER07	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	PER08	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X 1 AN 1/256
	PER09	443	<b>Contact Inquiry Reference</b> Additional reference number or description to clarify a contact number	O 1 AN 1/20

**Segment:** **N1** Party Identification  
**Position:** 7460  
**Loop:** N1 Optional  
**Level:**  
**Usage:** Optional  
**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.

#### Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	N101	98 Entity Identifier Code	M 1 ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual Refer to 005010 Data Element Dictionary for acceptable code values.	
	N102	93 Name	X 1 AN 1/60
		Free-form name	
	N103	66 Identification Code Qualifier	X 1 ID 1/2
		Code designating the system/method of code structure used for Identification Code (67) Refer to 005010 Data Element Dictionary for acceptable code values.	
	N104	67 Identification Code	X 1 AN 2/80
		Code identifying a party or other code	
	N105	706 Entity Relationship Code	O 1 ID 2/2
		Code describing entity relationship Refer to 005010 Data Element Dictionary for acceptable code values.	
	N106	98 Entity Identifier Code	O 1 ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual Refer to 005010 Data Element Dictionary for acceptable code values.	

**Segment:** N3 Party Location  
**Position:** 7470  
**Loop:** N1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information	M 1 AN 1/55
	N302	166	Address Information Address information	O 1 AN 1/55

**Segment:** **N4 Geographic Location**  
**Position:** 7480  
**Loop:** N1 Optional  
**Level:**  
**Usage:** Optional  
**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.
- 2 N402 is required only if city name (N401) is in the U.S. or Canada.

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
N401	19	City Name Free-form text for city name	O 1 AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	X 1 ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O 1 ID 3/15
N404	26	Country Code Code identifying the country	X 1 ID 2/3
N405	309	Location Qualifier Code identifying type of location Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
N406	310	Location Identifier Code which identifies a specific location	O 1 AN 1/30
N407	1715	Country Subdivision Code Code identifying the country subdivision	X 1 ID 1/3



**Segment:** **PER** Administrative Communications Contact  
**Position:** 7490  
**Loop:** N1 Optional  
**Level:**  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:**

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

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

**Data Element Summary**

M	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
	PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
	PER02	93	<b>Name</b> Free-form name	O 1 AN 1/60
	PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X 1 AN 1/256
	PER05	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	PER06	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X 1 AN 1/256
	PER07	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	PER08	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X 1 AN 1/256
	PER09	443	<b>Contact Inquiry Reference</b> Additional reference number or description to clarify a contact number	O 1 AN 1/20

**Segment:** **LE** Loop Trailer  
**Position:** 7500  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To indicate that the loop immediately preceding this segment is complete  
**Syntax Notes:**  
**Semantic Notes:**

- 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:**

- See Figures Appendix for an explanation of the use of the LE and LS segments.

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	LE01	447 Loop Identifier Code	M 1 AN 1/4
		The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE	

**Segment:** **PER** Administrative Communications Contact  
**Position:** 7600  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 5  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:**

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

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

**Data Element Summary**

M	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
	PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
	PER02	93	<b>Name</b> Free-form name	O 1 AN 1/60
	PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X 1 AN 1/256
	PER05	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	PER06	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X 1 AN 1/256
	PER07	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
	PER08	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X 1 AN 1/256
	PER09	443	<b>Contact Inquiry Reference</b> Additional reference number or description to clarify a contact number	O 1 AN 1/20

<b>Segment:</b>	<b>LH2</b> Hazardous Classification Information
<b>Position:</b>	7700
<b>Loop:</b>	
<b>Level:</b>	
<b>Usage:</b>	Optional
<b>Max Use:</b>	6
<b>Purpose:</b>	To specify the hazardous notation and endorsement information
<b>Syntax Notes:</b>	<ol style="list-style-type: none"> <li>1 If either LH206 or LH207 is present, then the other is required.</li> <li>2 If either LH208 or LH209 is present, then the other is required.</li> <li>3 If either LH210 or LH211 is present, then the other is required.</li> <li>4 If either LH212 or LH213 is present, then the other is required.</li> </ol>
<b>Semantic Notes:</b>	<ol style="list-style-type: none"> <li>1 LH206 and LH207 indicate the flashpoint temperature.</li> <li>2 LH208 and LH209 indicate the control temperature.</li> <li>3 LH210 and LH211 indicate the emergency temperature.</li> <li>4 LH212 and LH213 indicate the net explosive weight.</li> </ol>
<b>Comments:</b>	

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
LH201	215	<b>Hazardous Classification</b> The hazardous classification corresponding to the shipping name of the hazardous commodity	O 1 ID 1/30
LH202	983	<b>Hazardous Class Qualifier</b> Code qualifying hazardous class Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
LH203	218	<b>Hazardous Placard Notation</b> The placard notation corresponding to the hazard class of the hazardous commodity	O 1 ID 14/40
LH204	222	<b>Hazardous Endorsement</b> The placard endorsement that is to be shown on the shipping papers for the hazardous commodity	O 1 ID 4/25
LH205	759	<b>Reportable Quantity Code</b> Code to identify presence of hazardous substance Refer to 005010 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
LH206	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
LH207	408	<b>Temperature</b> Temperature	X 1 R 1/4
LH208	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
LH209	408	<b>Temperature</b> Temperature	X 1 R 1/4
LH210	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 005010 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
LH211	408	<b>Temperature</b> Temperature	X 1 R 1/4

<b>LH212</b>	<b>188</b>	<b>Weight Unit Code</b>	<b>X</b>	<b>1 ID 1/1</b>
		Code specifying the weight unit Refer to 005010 Data Element Dictionary for acceptable code values.		
<b>LH213</b>	<b>267</b>	<b>Net Explosive Quantity</b>	<b>X</b>	<b>1 N0 1/10</b>
		Net weight of the explosive quantity of the hazardous commodity		

**Segment:** **LHR** Hazardous Material Identifying Reference Numbers  
**Position:** 7800  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit specific hazardous material reference numbers  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	LHR01	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification Refer to 005010 Data Element Dictionary for acceptable code values.	M 1 ID 2/3
M	LHR02	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M 1 AN 1/50
	LHR03	373	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8

**Segment:** **XH Pro Forma - B13 Information**  
**Position:** 7850  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify a pro forma invoice and B13 Canada Customs Export Declaration information, required by U.S. and Canada Customs

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

- 1 XH04 for a line item: is the freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified.
- 2 XH06 will contain percentage of a component of a product which is required by customs to be reported.
- 3 XH07 will contain unit price of the item being shipped.

**Comments:** 1 This segment is to be used for shipments originating in Canada only.

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	XH01	100	<b>Currency Code</b>	M 1 ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified	
	XH02	645	<b>Related Company Indication Code</b>	O 1 ID 1/1
			Code indicating parties to a transaction	
			Refer to 005010 Data Element Dictionary for acceptable code values.	
	XH03	150	<b>Special Charge or Allowance Code</b>	O 1 ID 3/3
			Code identifying type of special charge or allowance	
			Refer to 005010 Data Element Dictionary for acceptable code values.	
	XH04	610	<b>Amount</b>	O 1 N2 1/15
			Monetary amount	
	XH05	503	<b>Block 20 Code</b>	O 1 ID 1/1
			Code defining Block 20 characteristics	
			Refer to 005010 Data Element Dictionary for acceptable code values.	
	XH06	504	<b>Chemical Analysis Percentage</b>	O 1 N2 2/9
			Chemical analysis percentage	
	XH07	212	<b>Unit Price</b>	O 1 R 1/17
			Price per unit of product, service, commodity, etc.	

**Segment:** **X7** Customs Information  
**Position:** 7900  
**Loop:**  
**Level:**  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To indicate customs information  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	X701	61	<b>Free-form Information</b> Free-form information	M 1 AN 1/30
	X702	61	<b>Free-form Information</b> Free-form information	O 1 AN 1/30



**Segment:** **SE** Transaction Set Trailer  
**Position:** 8100  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**

**Semantic Notes:**

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

**Data Element Summary**

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	<b>Number of Included Segments</b> Total number of segments included in a transaction set including ST and SE segments	<b>M 1 N0 1/10</b>
M	SE02	329	<b>Transaction Set Control Number</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	<b>M 1 AN 4/9</b>