



CP EDI 417 Guidelines (Version 4040)





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 417 is sent from CP to shippers, payer of freight, consignees or their agents providing them with detailed rail carrier waybill information.

CP Attributes	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
M	0100	<u>ST</u>	Transaction Set Header	M	1		
O	0200	<u>ZC1</u>	Beginning Segment for Data Correction or Change	O	1		
M	0300	<u>BX</u>	General Shipment Information	O	1		n1
M	0400	<u>BNX</u>	Rail Shipment Information	O	1		
O	0500	<u>N9</u>	Reference Identification	O	30		
O	0600	<u>CM</u>	Cargo Manifest	O	2		
O	0700	<u>DTM</u>	Date/Time Reference	O	5		
LOOP ID - N7						500	
M	0800	<u>N7</u>	Equipment Details	M	1		
Not Used	0810	EM	Equipment Characteristics	O	1		
LOOP ID - VC						36	
O	0900	<u>VC</u>	Motor Vehicle Control	O	1		
LOOP ID - N1						2	
O	0920	<u>N1</u>	Name	O	1		
O	0940	<u>N3</u>	Address Information	O	2		
O	0960	<u>N4</u>	Geographic Location	O	1		
O	0980	<u>H3</u>	Special Handling Instructions	O	1		
Not Used	1000	IC	Intermodal Chassis Equipment	O	1		
Not Used	1100	IM	Intermodal Movement Information	O	1		
O	1200	<u>M12</u>	In-bond Identifying Information	O	2		
Not Used	1300	G4	Scale Identification	O	1		
O	1400	<u>M7</u>	Seal Numbers	O	5		
Not Used	1500	N5	Equipment Ordered	O	1		
Not Used	1600	H5	Car Service Order	O	1		
LOOP ID - E1						2	
Not Used	1610	E1	Empty Car Disposition - Pended Destination Consignee	O	1		
Not Used	1620	E4	Empty Car Disposition - Pended Destination City	O	1		
Not Used	1630	E5	Empty Car Disposition - Pended Destination Route	O	13		
Not Used	1640	PI	Price Authority Identification	O	1		



O	1650	<u>GA</u>	Canadian Grain Information	O	15
			LOOP ID - REF	99	
Not Used	1670	REF	Reference Identification	O	1
Not Used	1680	N10	Quantity and Description	O	15
			LOOP ID - N1	5	
Not Used	1690	N1	Name	O	1
Not Used	1700	N3	Address Information	O	1
Not Used	1720	N4	Geographic Location	O	1
Not Used	1750	IMA	Interchange Move Authority	O	3
M	1800	<u>N8</u>	Waybill Reference	O	499
Not Used	1810	N8A	Additional Reference Information	O	499
Not Used	1900	V9	Event Detail	O	1
M	2000	<u>F9</u>	Origin Station	M	1
M	2100	<u>D9</u>	Destination Station	M	1
			LOOP ID - N1	15	
M	2200	<u>N1</u>	Name	M	1
Not Used	2250	N2	Additional Name Information	O	2
O	2300	<u>N3</u>	Address Information	O	2
O	2400	<u>N4</u>	Geographic Location	O	1
Not Used	2450	REF	Reference Identification	O	2
Not Used	2500	PER	Administrative Communications Contact	O	2
O	2620	<u>BL</u>	Billing Information	O	12
			LOOP ID - S1	12	
Not Used	4400	S1	Stop-off Name	O	1
Not Used	4500	S2	Stop-off Address	O	2
Not Used	4580	S9	Stop-off Station	O	1
Not Used	4590	N1	Name	O	1
Not Used	4600	N2	Additional Name Information	O	1
Not Used	4610	N3	Address Information	O	1
Not Used	4620	N4	Geographic Location	O	1
Not Used	4630	PER	Administrative Communications Contact	O	1
M	4700	<u>R2</u>	Route Information	M	13
Not Used	4850	R9	Route Code	O	1
			LOOP ID - E1	2	
Not Used	4900	E1	Empty Car Disposition - Pended Destination Consignee	O	1
Not Used	5000	E4	Empty Car Disposition - Pended Destination City	O	1
Not Used	5100	E5	Empty Car Disposition - Pended Destination Route	O	12
Not Used	5110	PI	Price Authority Identification	O	1
O	5200	<u>H3</u>	Special Handling Instructions	O	20
O	5300	<u>PS</u>	Protective Service Instructions	O	5
			LOOP ID - LX	25	
M	5400	<u>LX</u>	Assigned Number	M	1



M	5500	<u>L5</u>	Description, Marks and Numbers	M	15	
			LOOP ID - L0	25		
M	5700	<u>L0</u>	Line Item - Quantity and Weight	O	1	
Not Used	5750	MEA	Measurements	O	3	
O	5900	<u>PI</u>	Price Authority Identification	O	30	
O	5950	<u>X1</u>	Export License	O	6	
			LOOP ID - T1	64		
Not Used	6000	T1	Transit Inbound Origin	O	1	
Not Used	6100	T2	Transit Inbound Lading	O	30	
Not Used	6200	T3	Transit Inbound Route	O	12	
Not Used	6300	T6	Transit Inbound Rates	O	1	
Not Used	6400	T8	Free-form Transit Data	O	99	
O	6600	<u>LS</u>	Loop Header	O	1	
			LOOP ID - LH1	1000		
O	6700	<u>LH1</u>	Hazardous Identification Information	O	1	
O	6800	<u>LH2</u>	Hazardous Classification Information	O	4	n2
O	6900	<u>LH3</u>	Hazardous Material Shipping Name	O	10	
O	7000	<u>LFH</u>	Freeform Hazardous Material Information	O	20	
O	7100	<u>LEP</u>	EPA Required Data	O	3	
O	7200	<u>LH4</u>	Canadian Dangerous Requirements	O	1	
O	7300	<u>LHT</u>	Transborder Hazardous Requirements	O	3	
O	7400	<u>LHR</u>	Hazardous Material Identifying Reference Numbers	O	5	
O	7450	<u>PER</u>	Administrative Communications Contact	O	5	
			LOOP ID - N1	10		
O	7460	<u>N1</u>	Name	O	1	
O	7470	<u>N3</u>	Address Information	O	2	
O	7480	<u>N4</u>	Geographic Location	O	1	
O	7490	<u>PER</u>	Administrative Communications Contact	O	2	
O	7500	<u>LE</u>	Loop Trailer	O	1	
O	7600	<u>PER</u>	Administrative Communications Contact	O	5	
O	7700	<u>LH2</u>	Hazardous Classification Information	O	6	n3
O	7800	<u>LHR</u>	Hazardous Material Identifying Reference Numbers	O	1	
O	7850	<u>XH</u>	Pro Forma - B13 Information	O	1	
O	7900	<u>X7</u>	Customs Information	O	10	
M	8100	<u>SE</u>	Transaction Set Trailer	M	1	



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: The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
 Comments:

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 417 Rail Carrier Waybill Interchange	M 1 ID 3/3
M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M 1 AN 4/9
Not Used	ST03	1705	Implementation Convention Reference	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

CP	Ref.	Data			
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
O	ZC101	145	Shipment Identification Number Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	O	1 AN 1/30
M	ZC102	206	Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number	O	1 AN 1/4
M	ZC103	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	M	1 AN 1/15
M	ZC104	244	Transaction Reference Number Sender's assigned number for referenced transaction set	M	1 AN 1/15
M	ZC105	243	Transaction Reference Date Date of referenced transaction set expressed in format CCYYMMDD where CC represents the first two digits of the calendar year	M	1 DT 8/8
M	ZC106	202	Correction Indicator Code used to indicate that the transaction set contains information which corrects previous information Refer to 004040 Data Element Dictionary for acceptable code values.	M	1 ID 2/2
M	ZC107	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	M	1 ID 2/4
M	ZC108	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment Refer to 004040 Data Element Dictionary for acceptable code values.	M	1 ID 1/2
O	ZC109	761	Equipment Number Check Digit Number which designates the check digit applied to a piece of equipment	O	1 N0 1/1



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

CP	Ref.	Data			
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	BX01	353	Transaction Set Purpose Code Code identifying purpose of transaction set	M 1	ID 2/2
			00 Original		
M	BX02	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment	M 1	ID 1/2
			R Rail		
			X Intermodal (Piggyback)		
M	BX03	146	Shipment Method of Payment Code identifying payment terms for transportation charges	M 1	ID 2/2
			11 Rule 11 Shipment		
			CC Collect		
			NC Service Freight, No Charge		
			NR Non-Revenue		
			PP Prepaid (by Seller)		
O	BX04	145	Shipment Identification Number Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	O 1	AN 1/30
O	BX05	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	O 1	ID 2/4
			CPRS SCAC Code for Canadian Pacific Railway		
O	BX06	188	Weight Unit Code Code specifying the weight unit	O 1	ID 1/1
			E Metric Ton		
			K Kilograms		
			L Pounds		



O	BX07	147	Shipment Qualifier Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time	O	1	ID 1/1
			1 Master Bill for Empty Non-Revenue Equipment			
			B Bill of Lading for Individual Shipment			
			E Empty Equipment Billing (Non-Revenue)			
			M Master Bill of Lading for Assembly, Distribution and Volume Shipment			
			A bill of lading with multiple delivery locations			
			S Submaster Bill of Lading for Volume Shipment			
			A bill of lading for a full truckload shipment			
			W Revenue Empty			
O	BX08	226	Section Seven Code Code indicating applicability of section seven option (if not transmitted assume not in effect)	O	1	ID 1/1
			N Not in Effect			
			S In Effect			
O	BX09	195	Capacity Load Code Code specifying type of capacity load Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 1/1
Not Used	BX10	160	Status Report Request Code Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 1/1
Not Used	BX11	501	Customs Documentation Handling Code Code defining method of handling for documentation Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 2/2
Not Used	BX12	199	Confidential Billing Request Code Code used by the shipper to request that the carrier inhibit origin identification information from the invoice transaction sets and/or rate and charges from waybill documents and transaction sets when shipment moves under confidential contract rates Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 1/1
Not Used	BX13	714	Goods and Services Tax Reason Code Code required to identify the reason for a 0% rated goods and services tax	O	1	ID 1/1
			1 Inbound Goods and Services Tax Declaration			
			2 Outbound Goods and Services Tax Declaration			
			3 Goods and Services Tax Inbound/Outbound Declaration Documentary Evidence Filed at Origin			
Not Used	BX14	346	Application Type Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 2/2



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

CP	Ref.	Data	Name	Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
O	BNX01	460	Shipment Weight Code Code indicating the way by which weights are obtained for a particular shipment	O 1 ID 1/1
			A Shipper's Weight Agreement	
			M Manifest Weight	
			N No Wt. Req., Ship. Moving on Contract or per car rate	
			O Official Weight	
			R Carrier Scale Weight	
			S Shipper Certified Scale Weights	
			T Tariff Authorized Weight	
Not Used	BNX02	129	Referenced Pattern Identifier	O 1 AN 1/13
O	BNX03	11	Billing Code Code indicating type of Bill	O 1 ID 1/1
			E Storage	
			M Multiple Shipment Billing	
			S Single Shipment Billing	
			U Unit Train Billing	
Not Used	BNX04	223	Repetitive Pattern Number	O 1 N0 5/5



Segment: **N9** Reference Identification
 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>CP</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
M	N901	128	Reference Identification Qualifier Code qualifying the Reference Identification	M 1 ID 2/3
			09 Customs Bar Code Number	
			2K Food and Drug Administration (FDA) Product Type	
			BL Government Bill of Lading	
			BM Bill of Lading Number	
			BN Booking Number	
			CG Consignee's Order Number	
			CN Carrier's Reference Number (PRO/Invoice)	
			CO Customer Order Number	
			CR Customer Reference Number	
			CT Contract Number	
			EB Embargo Permit Number	
			ED Export Declaration	
			EN Embargo Number	
			EP Export Permit Number	
			GB Grain Block Number	
			GR Grain Order Reference Number	
			GT Goods and Service Tax Registration Number	
			IB In Bond Number	
			IL Internal Order Number	
			MB Master Bill of Lading	
			PN Permit Number	
			PO Purchase Order Number	



- SI Shipper's Identifying Number for Shipment (SID)
A unique number (to the shipper) assigned by the shipper to identify the shipment
- SO Shipper's Order (Invoice Number)
- UT Unit Train
- WO Work Order Number
Number assigned for work including material and labor beyond normal work required to fulfill a service order
- ZZ Mutually Defined

This is not a comprehensive list and only includes some of the most commonly used Reference Identification Qualifiers.

X	N902	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
X	N903	369	Free-form Description Free-form descriptive text	X	1	AN 1/45
O	N904	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O	1	DT 8/8
X	N905	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X	1	TM 4/8
O	N906	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 2/2
Not Used	N907	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O	1	
Not Used	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004040 Data Element Dictionary for acceptable code values.	M		ID 2/3
Not Used	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M		AN 1/50
Not Used	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004040 Data Element Dictionary for acceptable code values.	X		ID 2/3



Not Used	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/50
Not Used	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004040 Data Element Dictionary for acceptable code values.	X	ID 2/3
Not Used	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/50



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

CP	Ref.	Data	Attributes	
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
O	CM01	55	Flight/Voyage Number Identifying designator for the particular flight or voyage on which the cargo travels	O 1 AN 2/10
	CM02	115	Port or Terminal Function Code Code defining function performed at the port or terminal with respect to a shipment Refer to 004040 Data Element Dictionary for acceptable code values.	X 1 ID 1/1
O	CM03	114	Port Name Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property	O 1 AN 2/24
O	CM04	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8
O	CM05	13	Booking Number Number assigned by the carrier for space reservation	O 1 AN 1/17
O	CM06	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	O 1 ID 2/4
O	CM07	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	O 1 ID 2/4
O	CM08	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8
O	CM09	182	Vessel Name Name of ship as documented in "Lloyd's Register of Ships"	O 1 AN 2/28
O	CM10	113	Pier Number Identifying number for the pier	O 1 AN 1/4
O	CM11	112	Pier Name Free-form name of the pier	O 1 AN 2/14



O	CM12	174	Terminal Name Free-form field for terminal name	O	1	AN 2/30
O	CM13	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O	1	ID 2/2
O	CM14	26	Country Code Code identifying the country	O	1	ID 2/3
O	CM15	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	1	AN 1/50
Not Used	CM16	202	Correction Indicator Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 2/2
Not Used	CM17	91	Transportation Method/Type Code Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 1/2



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.
 Semantic Notes:
 Comments:

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time Refer to 004040 Data Element Dictionary for acceptable code values.	M 1 ID 3/3
X	DTM02	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	X 1 DT 8/8
X	DTM03	337	Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X 1 TM 4/8
O	DTM04	623	Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004040 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
Not Used	DTM05	1250	Date Time Period Format Qualifier Refer to 004040 Data Element Dictionary for acceptable code values.	X 1 ID 2/3
Not Used	DTM06	1251	Date Time Period	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

CP	Ref.	Data	Attributes			
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>			
M	N701	206	Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number	O	1	AN 1/4
M	N702	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	M	1	AN 1/15
X	N703	81	Weight Numeric value of weight	X	1	R 1/10
X	N704	187	Weight Qualifier Code defining the type of weight A3 Shippers Weight E Estimated Net Weight G Gross Weight N Actual Net Weight	X	1	ID 1/2
Not Used	N705	167	Tare Weight	X	1	N0 3/8
O	N706	232	Weight Allowance	O	1	N0 2/6
Not Used	N707	205	Dunnage	O	1	N0 1/6
Not Used	N708	183	Volume	X	1	R 1/8
Not Used	N709	184	Volume Unit Qualifier Refer to 004040 Data Element Dictionary for acceptable code values.	X	1	ID 1/1
Not Used	N710	102	Ownership Code Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 1/1
Not Used	N711	40	Equipment Description Code Code identifying type of equipment used for shipment	O	1	ID 2/2
Not Used	N712	140	Standard Carrier Alpha Code	O	1	ID 2/4
Not Used	N713	319	Temperature Control	O	1	AN 3/6
Not Used	N714	219	Position	O	1	AN 1/3
Not Used	N715	567	Equipment Length Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)	O	1	N0 4/5



Not Used	N716	571	Tare Qualifier Code Code identifying the type of tare Refer to 004040 Data Element Dictionary for acceptable code values.	X	1	ID 1/1
Not Used	N717	188	Weight Unit Code	O	1	ID 1/1
Not Used	N718	761	Equipment Number Check Digit Number which designates the check digit applied to a piece of equipment	O	1	N0 1/1
Not Used	N719	56	Type of Service Code Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 2/2
Not Used	N720	65	Height	O	1	R 1/8
Not Used	N721	189	Width	O	1	R 1/8
Not Used	N722	24	Equipment Type	O	1	ID 4/4
Not Used	N723	140	Standard Carrier Alpha Code	O	1	ID 2/4
Not Used	N724	301	Car Type Code	O	1	ID 1/4



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

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	VC01	539	Vehicle Identification Number Unique identification number stamped on the vehicle by the manufacturer	M 1 AN 1/30
O	VC02	836	Vehicle Deck Position Code 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 004040 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
O	VC03	837	Vehicle Type Code Vehicle Type Code for freight rate and claims purposes 1 Automobile 2 Truck 3 Others 4 Used Vehicles 5 Military	O 1 ID 1/1
O	VC04	838	Dealer Code A code assigned by a manufacturer to identify their dealers	O 1 AN 2/9
Not Used	VC05	1	Route Code Mutually defined route code Auto Manufacturer's route code.	O 1 AN 1/13
Not Used	VC06	839	Bay Location Location where the releasing agent placed the motor vehicle	O 1 AN 1/6
Not Used	VC07	833	Automotive Manufacturers Code	O 1 ID 2/2
Not Used	VC08	308	Damage Exception Indicator Refer to 004040 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
Not Used	VC09	835	Supplemental Inspection Code Refer to 004040 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
Not Used	VC10	583	Factory Car Order Number 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



Not Used	VC11	877	Vessel Stowage Location	O	1	AN 1/12
Not Used	VC12	1543	Equipment Orientation Code	O	1	ID 1/1
			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 004040 Data Element Dictionary for acceptable code values.			
Not Used	VC13	310	Location Identifier	O	1	AN 1/30
			Code which identifies a specific location Code designated by the manufacturer to identify the destination ramp.			



Segment: **N1** Name
 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: 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.

Data Element Summary

CP	Ref.	Data			
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual CN Consignee N1 Notify Party no. 1 OW Owner of Property or Unit PF Party to Receive Freight Bill UC Ultimate Consignee	M	1 ID 2/3
X	N102	93	Name Free-form name	X	1 AN 1/60
X	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) Refer to 004040 Data Element Dictionary for acceptable code values.	X	1 ID 1/2
X	N104	67	Identification Code Code identifying a party or other code	X	1 AN 2/80
Not Used	N105	706	Entity Relationship Code Refer to 004040 Data Element Dictionary for acceptable code values.	O	1 ID 2/2
Not Used	N106	98	Entity Identifier Code Refer to 004040 Data Element Dictionary for acceptable code values.	O	1 ID 2/3



Segment: **N3** Address Information
 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

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information	M 1 AN 1/55
O	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: Only one of N402 or N407 may be present.
 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

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
O	N401	19	City Name Free-form text for city name	O 1 AN 2/30
O	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	X 1 ID 2/2
O	N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O 1 ID 3/15
O	N404	26	Country Code Code identifying the country	X 1 ID 2/3
Not Used	N405	309	Location Qualifier Refer to 004040 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
Not Used	N406	310	Location Identifier	O 1 AN 1/30
Not Used	N407	1715	Country Subdivision Code	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:
 Semantic Notes:
 Comments:

Data Element Summary

CP	Ref.	Data				
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>		
O	H301	152	Special Handling Code Code specifying special transportation handling instructions Refer to 004040 Data Element Dictionary for acceptable code values.	X	1	ID 2/3
Not Used	H302	153	Special Handling Description	X	1	AN 2/30
Not Used	H303	241	Protective Service Code Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 1/4
Not Used	H304	242	Vent Instruction Code Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 1/7
Not Used	H305	257	Tariff Application Code Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 1/1



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:	<ol style="list-style-type: none"> 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.
Semantic Notes:	<ol style="list-style-type: none"> 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:	<ol style="list-style-type: none"> 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

CP	Ref.	Data		Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	M1201	581	Customs Entry Type Code Code defining the type of entry assigned by U.S. Customs	M 1 ID 2/2
X	M1202	601	Customs Entry Number Automated Commercial System Code Furnished by U.S. Customs Service	X 1 AN 1/15
O	M1203	310	Location Identifier Code which identifies a specific location	O 1 AN 1/30
O	M1204	310	Location Identifier Code which identifies a specific location	O 1 AN 1/30
O	M1205	602	Customs Shipment Value Customs value in whole dollars	O 1 AN 2/8
Not Used	M1206	603	In-bond Control Number	X 1 AN 1/25
Not Used	M1207	140	Standard Carrier Alpha Code	O 1 ID 2/4
X	M1208	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004040 Data Element Dictionary for acceptable code values.	X 1 ID 2/3
X	M1209	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
Not Used	M1210	91	Transportation Method/Type Code Refer to 004040 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
Not Used	M1211	182	Vessel Name	X 1 AN 2/28



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:

Data Element Summary

CP	Ref.	Data			
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	M701	225	Seal Number Unique number on seal used to close a shipment	M	1 AN 2/15
O	M702	225	Seal Number Unique number on seal used to close a shipment	O	1 AN 2/15
O	M703	225	Seal Number Unique number on seal used to close a shipment	O	1 AN 2/15
O	M704	225	Seal Number Unique number on seal used to close a shipment	O	1 AN 2/15
Not Used	M705	98	Entity Identifier Code Refer to 004040 Data Element Dictionary for acceptable code values.	O	1 ID 2/3



Segment: **GA** Canadian Grain Information
 Position: 1650
 Loop: N7 Mandatory
 Level:
 Usage: Optional
 Max Use: 15
 Purpose: To transmit the transportation and distribution requirements of grain at Canadian ports
 Syntax Notes: 1 If either GA04 or GA05 is present, then the other is required.
 2 If either GA14 or GA15 is present, then the other is required.
 3 If either GA16 or GA17 is present, then the other is required.
 Semantic Notes: 1 GA02 is required on the first occurrence of the segment and for each new occurrence of a different commodity code.
 2 GA06 is used for crop week.
 3 GA08 is used for the unload date.
 4 GA09 will contain the number of cars being claimed for incentive rate.
 5 GA14 is the terminal or staging area name.
 Comments: 1 GA02 contains the Canadian Grain Commission Commodity Code for terminal elevator accounting.
 2 GA05 is used for grain block number.

Data Element Summary

CP	Ref.	Data	Attributes	
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
O	GA01	1275	Fumigated/Cleaned Indicator Code indicating whether product has been fumigated and/or cleaned Refer to 004040 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
O	GA02	22	Commodity Code Code describing a commodity or group of commodities	O 1 AN 1/30
O	GA03	1576	Inspected/Weighed Indicator Code Code indicating whether product has been inspected and/or weighed Refer to 004040 Data Element Dictionary for acceptable code values.	O 1 ID 1/2
X	GA04	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004040 Data Element Dictionary for acceptable code values.	X 1 ID 2/3
X	GA05	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
O	GA06	642	Week Week expressed as year/week (CCYYWW), where week is a number between 01 and 53 inclusive	O 1 N0 6/6
O	GA07	899	Unload Terminal Elevator Code Code specifying the unloading terminal elevator at grain exporting terminals	O 1 ID 3/4
O	GA08	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8
O	GA09	1470	Number A generic number	O 1 N0 1/9



O	GA10	1276	Machine Separable Indicator Code Canadian Grain Commission grain code identifying the type of grain that must be separated	O	1	ID 2/2
O	GA11	1277	Canadian Wheat Board (CWB) Marketing Class Code Code identifying the Canadian Wheat Board market class of the grain Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 1/1
O	GA12	1278	Canadian Wheat Board (CWB) Marketing Class Type Code Code identifying Canadian Wheat Board market class type Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 1/1
Not Used	GA13	1073	Yes/No Condition or Response Code Code indicating a Yes or No condition or response Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 1/1
X	GA14	310	Location Identifier Code which identifies a specific location	X	1	AN 1/30
X	GA15	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	X	1	ID 2/2
X	GA16	1004	Percent Qualifier Code to qualify percent Refer to 004040 Data Element Dictionary for acceptable code values.	X	1	ID 1/2
X	GA17	954	Percent Percentage expressed as a decimal	X	1	R 1/10
Not Used	GA18	1073	Yes/No Condition or Response Code Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 1/1



Segment: **N8** Waybill Reference
 Position: 1800
 Loop:
 Level:
 Usage: Optional
 Max Use: 499
 Purpose: To identify the waybill and to specify the equipment used and the destination details
 Syntax Notes:
 Semantic Notes: 1 N802 is the waybill date.
 Comments:

Data Element Summary

CP	Ref.	Data			
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	N801	186	Waybill Number Carrier accounting number of the waybill for the inbound movement	M	1 N0 1/6
M	N802	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	M	1 DT 8/8
Not Used	N803	231	Cross Reference Type Code Refer to 004040 Data Element Dictionary for acceptable code values.	X	1 ID 1/1
Not Used	N804	206	Equipment Initial	X	1 AN 1/4
Not Used	N805	207	Equipment Number	X	1 AN 1/15
Not Used	N806	186	Waybill Number	X	1 N0 1/6
Not Used	N807	373	Date	X	1 DT 8/8
Not Used	N808	19	City Name	X	1 AN 2/30
Not Used	N809	156	State or Province Code	X	1 ID 2/2
Not Used	N810	140	Standard Carrier Alpha Code	X	1 ID 2/4
Not Used	N811	573	Freight Station Accounting Code	X	1 ID 1/5



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 F908 is the Standard Point Location Code (SPLC) for the city named in the F902.
 Comments:

Data Element Summary

CP	Ref.	Data			
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
O	F901	573	Freight Station Accounting Code Code (Freight Station Accounting) (AAR Managed Code for Locations)	O	1 ID 1/5
M	F902	19	City Name Free-form text for city name	M	1 AN 2/30
M	F903	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	M	1 ID 2/2
Not Used	F904	26	Country Code	O	1 ID 2/3
Not Used	F905	573	Freight Station Accounting Code	O	1 ID 1/5
Not Used	F906	19	City Name	O	1 AN 2/30
Not Used	F907	156	State or Province Code	O	1 ID 2/2
O	F908	154	Standard Point Location Code Code (Standard Point Location) defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	O	1 ID 6/9
Not Used	F909	116	Postal Code	O	1 ID 3/15
Not Used	F910	154	Standard Point Location Code	O	1 ID 6/9
Not Used	F911	116	Postal Code	O	1 ID 3/15
Not Used	F912	26	Country Code	O	1 ID 2/3



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 D908 is the Standard Point Location Code (SPLC) for the city named in the D902.
 Comments:

Data Element Summary

CP	Ref.	Data			
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
O	D901	573	Freight Station Accounting Code Code (Freight Station Accounting) (AAR Managed Code for Locations)	O	1 ID 1/5
M	D902	19	City Name Free-form text for city name	M	1 AN 2/30
M	D903	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	M	1 ID 2/2
Not Used	D904	26	Country Code	O	1 ID 2/3
Not Used	D905	573	Freight Station Accounting Code	O	1 ID 1/5
Not Used	D906	19	City Name	O	1 AN 2/30
Not Used	D907	156	State or Province Code	O	1 ID 2/2
O	D908	154	Standard Point Location Code Code (Standard Point Location) defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	O	1 ID 6/9
Not Used	D909	116	Postal Code	O	1 ID 3/15
Not Used	D910	154	Standard Point Location Code	O	1 ID 6/9
Not Used	D911	116	Postal Code	O	1 ID 3/15
Not Used	D912	26	Country Code	O	1 ID 2/3



Segment: **N1** Name
 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.

Data Element Summary

CP	Ref.	Data			
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	N101	98	Entity Identifier Code	M	1 ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			11 Party to be billed(AAR Accounting Rule 11)		
			BN Beneficial Owner		
			C1 In Care Of Party no. 1		
			CN Consignee		
			FW Forwarder		
			IM Importer		
			N1 Notify Party no. 1		
			PF Party to Receive Freight Bill		
			PU Party at Pick-up Location		
			SH Shipper		
			UC Ultimate Consignee		
			XQ Canadian Customs Broker		
			XR Mexican Customs Broker		
			XU United States Customs Broker		
			This is not a comprehensive list and only includes some of the most commonly used Entity Identifier Codes.		
O	N102	93	Name	X	1 AN 1/60
			Free-form name		
X	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 004040 Data Element Dictionary for acceptable code values.		
X	N104	67	Identification Code	X	1 AN 2/80
			Code identifying a party or other code		



Not Used	N105	706	Entity Relationship Code Code describing entity relationship Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 2/2
Not Used	N106	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 2/3

Segment: **N3** Address Information
 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

CP	Ref.	Data		Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	N301	166	Address Information Address information	M 1 AN 1/55
Not Used	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.
 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

CP	Ref.	Data	Attributes	
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
O	N401	19	City Name Free-form text for city name	O 1 AN 2/30
X	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	X 1 ID 2/2
O	N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O 1 ID 3/15
X	N404	26	Country Code Code identifying the country	X 1 ID 2/3
Not Used	N405	309	Location Qualifier Refer to 004040 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
Not Used	N406	310	Location Identifier	O 1 AN 1/30
Not Used	N407	1715	Country Subdivision Code	X 1 ID 1/3



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

CP	Ref.	Data			
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
M	BL01	747	Rebill Reason Code	M	1 ID 2/2
			Code identifying reason for rebill		
			RC R11 Collect Beyond		
			RD R11 Prepaid Beyond		
X	BL02	573	Freight Station Accounting Code	X	1 ID 1/5
			Code (Freight Station Accounting) (AAR Managed Code for Locations)		
X	BL03	573	Freight Station Accounting Code	X	1 ID 1/5
			Code (Freight Station Accounting) (AAR Managed Code for Locations)		
O	BL04	154	Standard Point Location Code	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		
X	BL05	19	City Name	X	1 AN 2/30
			Free-form text for city name		
O	BL06	156	State or Province Code	O	1 ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency		
Not Used	BL07	26	Country Code	O	1 ID 2/3
Not Used	BL08	154	Standard Point Location Code	O	1 ID 6/9



X	BL09	19	City Name Free-form text for city name	X	1	AN 2/30
O	BL10	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O	1	ID 2/2
O	BL11	26	Country Code Code identifying the country	O	1	ID 2/3
O	BL12	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	O	1	ID 2/4
O	BL13	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	O	1	ID 2/4
Not Used	BL14	140	Standard Carrier Alpha Code	O	1	ID 2/4
Not Used	BL15	140	Standard Carrier Alpha Code	O	1	ID 2/4
Not Used	BL16	140	Standard Carrier Alpha Code	O	1	ID 2/4
Not Used	BL17	140	Standard Carrier Alpha Code	O	1	ID 2/4



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.
 Comments:

Data Element Summary

CP	Ref.	Data	Attributes	
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	R201	140	Standard Carrier Alpha Code Standard Carrier Alpha Code CPRS SCAC Code for Canadian Pacific Railway	M 1 ID 2/4
M	R202	133	Routing Sequence Code Code describing the relationship of a carrier to a specific shipment movement 1 1st Carrier after Origin Carrier 2 2nd Carrier after Origin Carrier 3 3rd Carrier after Origin Carrier 4 4th Carrier after Origin Carrier 5 5th Carrier after Origin Carrier 6 6th Carrier after Origin Carrier D DELY (Delivery Switch Carrier) I Origin Switch Carrier R Origin Carrier, Rule 11 Shipment S Origin Carrier, Shipper's Routing (Rail)	M 1 ID 1/2
O	R203	19	City Name Free-form text for city name Contains Rule 260 Abbreviation only.	O 1 AN 2/30
O	R204	154	Standard Point Location Code Code (Standard Point Location) defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	O 1 ID 6/9
O	R205	177	Intermodal Service Code Code identifying the Intermodal Service Plan	O 1 ID 1/2
Not Used	R206	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipment Refer to 004040 Data Element Dictionary for acceptable code values.	O 1 ID 1/2
Not Used	R207	296	Intermediate Switch Carrier	X 1 ID 2/4
Not Used	R208	296	Intermediate Switch Carrier	O 1 ID 2/4
Not Used	R209	76	Invoice Number	O 1 AN 1/22
Not Used	R210	373	Date	O 1 DT 8/8



Not Used	R211	369	Free-form Description	O	1	AN 1/45
Not Used	R212	56	Type of Service Code	O	1	ID 2/2
			Refer to 004040 Data Element Dictionary for acceptable code values.			
Not Used	R213	742	Route Description	O	1	AN 1/35

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

CP	Ref.	Data	Name	Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
O	H301	152	Special Handling Code Code specifying special transportation handling instructions Refer to 004040 Data Element Dictionary for acceptable code values.	X 1 ID 2/3
Not Used	H302	153	Special Handling Description	X 1 AN 2/30
Not Used	H303	241	Protective Service Code Refer to 004040 Data Element Dictionary for acceptable code values.	O 1 ID 1/4
Not Used	H304	242	Vent Instruction Code Refer to 004040 Data Element Dictionary for acceptable code values.	O 1 ID 1/7
Not Used	H305	257	Tariff Application Code Refer to 004040 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

CP	Ref.	Data	Attributes	
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PS01	746	Protective Service Rule Code Association of American Railroads (AAR) Protective Service that applies to shipment	M 1 ID 3/9
M	PS02	241	Protective Service Code Code specifying perishable protective service- rail carriers only Refer to 004040 Data Element Dictionary for acceptable code values.	M 1 ID 1/4
X	PS03	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004040 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
X	PS04	408	Temperature Temperature	X 1 R 1/4
O	PS05	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	O 1 ID 2/4
Not Used	PS06	573	Freight Station Accounting Code	O 1 ID 1/5
Not Used	PS07	19	City Name	O 1 AN 2/30
Not Used	PS08	156	State or Province Code	O 1 ID 2/2
Not Used	PS09	81	Weight	O 1 R 1/10
Not Used	PS10	745	Pre-Cooled (Rule 710) Code Refer to 004040 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
Not Used	PS11	1073	Yes/No Condition or Response Code Refer to 004040 Data Element Dictionary for acceptable code values.	O 1 ID 1/1



Not Used	PS12	1073	Yes/No Condition or Response Code Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 1/1
Not Used	PS13	1073	Yes/No Condition or Response Code Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 1/1
Not Used	PS14	408	Temperature	X	1	R 1/4

Segment: **LX** Assigned 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

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



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

Data Element Summary

CP	Ref.	Data			
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	L501	213	Lading Line Item Number Sequential line number for a lading item	O	1 N0 1/3
M	L502	79	Lading Description Description of an item as required for rating and billing purposes	O	1 AN 1/50
M	L503	22	Commodity Code Code describing a commodity or group of commodities	X	1 AN 1/30
O	L504	23	Commodity Code Qualifier Code identifying the commodity coding system used for Commodity Code Refer to 004040 Data Element Dictionary for acceptable code values.	X	1 ID 1/1
O	L505	103	Packaging Code Refer to 004040 Data Element Dictionary for acceptable code values.	O	1 AN 3/5
Not Used	L506	87	Marks and Numbers	X	1 AN 1/48
Not Used	L507	88	Marks and Numbers Qualifier Refer to 004040 Data Element Dictionary for acceptable code values.	O	1 ID 1/2
Not Used	L508	23	Commodity Code Qualifier Code identifying the commodity coding system used for Commodity Code Refer to 004040 Data Element Dictionary for acceptable code values.	X	1 ID 1/1
Not Used	L509	22	Commodity Code Code describing a commodity or group of commodities	X	1 AN 1/30
Not Used	L510	595	Compartment ID Code Code identifying the compartment in a compartmentalized tank car Refer to 004040 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 L008 or L009 is present, then the other is required.
 Semantic Notes: L008 is the number of handling units of the line item tendered to the carrier.
 Comments:

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
O	L001	213	Lading Line Item Number Sequential line number for a lading item	O 1 N0 1/3
X	L002	220	Billed/Rated-as Quantity Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81	X 1 R 1/11
X	L003	221	Billed/Rated-as Qualifier Code identifying the type of quantity or value on which the rate or item pricing is based DM Miles GL Gallon ND Cord A volume measurement NP Piece NU Unit A specific measurement in rating shipments NV Vehicle	X 1 ID 2/2
X	L004	81	Weight Numeric value of weight	X 1 R 1/10



X	L005	187	Weight Qualifier Code defining the type of weight	X	1	ID 1/2
			A3 Shippers Weight			
			B Billed Weight			
			C Actual Net Repeated for Combination			
			E Estimated Net Weight			
			G Gross Weight			
			J Light Weight			
			K Clean Out			
			M Minimum Weight (for rate)			
			N Actual Net Weight			
			O Excess Weight Over Maximum			
			X Maximum Weight (for Rate)			
This is not a comprehensive list and only includes some of the most commonly used Weight Qualifiers.						
Not Used	L006	183	Volume	X	1	R 1/8
Not Used	L007	184	Volume Unit Qualifier	X	1	ID 1/1
X	L008	80	Lading Quantity Number of units (pieces) of the lading commodity	X	1	NO 1/7
X	L009	211	Packaging Form Code Code for packaging form of the lading quantity	X	1	ID 3/3
			BAG Bag			
			BAL Bale			
			BDL Bundle			
			BLK Bulk			
			CLD Car Load, Rail			
			CTN Carton			
			DRM Drum			
			LIF Lifts			
			PCS Pieces			
			PKG Package			
			PLT Pallet			
			SKD Skid			
			TKR Tank Car			
			UNT Unit			
			VEH Vehicles			
This is not a comprehensive list and only includes some of the most commonly used Packaging Form Codes.						



Not Used	L010	458	Dunnage Description	O	1	AN 2/25
O	L011	188	Weight Unit Code	O	1	ID 1/1
			Refer to 004040 Data Element Dictionary for acceptable code values.			
Not Used	L012	56	Type of Service Code	O	1	ID 2/2
			Refer to 004040 Data Element Dictionary for acceptable code values.			
Not Used	L013	380	Quantity	X	1	R 1/15
Not Used	L014	211	Packaging Form Code	O	1	ID 3/3
			Refer to 004040 Data Element Dictionary for acceptable code values.			
Not Used	L015	1073	Yes/No Condition or Response Code	X	1	ID 1/1
			Refer to 004040 Data Element Dictionary for acceptable code values.			



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.

Comments:

Data Element Summary

CP	Ref.	Data	Name	Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
M	PI01	128	Reference Identification Qualifier Code qualifying the Reference Identification CT Contract Number PR Price Quote Number TS Tariff Number	M 1 ID 2/3
M	PI02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M 1 AN 1/50
O	PI03	436	Primary Publication Authority Code Code indicating type of external reference OP Other Publication TP Tariff Publication	O 1 ID 2/2
O	PI04	930	Regulatory Agency Code Code relating to the regulatory agency governing the price reference	O 1 ID 3/5
O	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
O	PI06	965	Issuing Carrier Identifier Identification assigned by issuing carrier	O 1 AN 1/10
O	PI07	660	Contract Suffix Used to identify a type of contract	O 1 AN 1/2
O	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
O	PI09	173	Tariff Supplement Identifier Identifier for the tariff supplement which contains the rate used	O 1 AN 1/4
O	PI10	172	Tariff Section 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



O	PI11	660	Contract Suffix Used to identify a type of contract	O	1	AN 1/2
Not Used	PI12	373	Date	O	1	DT 8/8
Not Used	PI13	373	Date	O	1	DT 8/8
Not Used	PI14	629	Alternation Precedence Code Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 1/1
Not Used	PI15	629	Alternation Precedence Code Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 1/1



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

Ref.	Data	Data Element Summary		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
O	X101	83	Code For Licensing, Certification, Registration, or Accreditation Agency Code identifying a licensing, certification, registration, or accreditation agency. Refer to 004040 Data Element Dictionary for acceptable code values.	O 1 ID 1/2
O	X102	50	Export License Number Government assigned identification number for exporter	O 1 AN 6/35
O	X103	51	Export License Status Code 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 004040 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
O	X104	373	Date Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	O 1 DT 8/8
O	X105	52	Export License Symbol Code Code which specifies the export symbol marked on a shipment Refer to 004040 Data Element Dictionary for acceptable code values.	O 1 ID 1/2
O	X106	48	Export License Control Code Code indicating the type of control applicable to the export license Refer to 004040 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
O	X107	26	Country Code Code identifying the country	O 1 ID 2/3
O	X108	141	Schedule B Code Code identifying commodity number established for international statistical purposes	O 1 ID 7/10
O	X109	210	International/Domestic Code Code indicating international or domestic shipment Refer to 004040 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
O	X110	80	Lading Quantity Number of units (pieces) of the lading commodity	O 1 N0 1/7
O	X111	148	Lading Value Value of shipment for export, expressed in the standard monetary denomination for the currency specified	O 1 R 2/9



O	X112	47	Export Filing Key Code Code indicating the type of communications with customs Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 1/1
O	X113	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 2/2
O	X114	212	Unit Price Price per unit of product, service, commodity, etc.	O	1	R 1/17
O	X115	1306	U.S. Government License Type Code to identify the type of government license involved	O	1	AN 1/1
O	X116	67	Identification Code Code identifying a party or other code	O	1	AN 2/80
O	X117	310	Location Identifier Code which identifies a specific location	O	1	AN 1/30

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: 1 One loop may be nested contained within another loop, provided the inner nested loop terminates before the outer loop. When specified by the standard setting body as mandatory, this segment in combination with "LE", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The value for the identifier is the loop ID of the required loop segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.
 Comments: 1 See Figures Appendix for an explanation of the use of the LS and LE segments.

Data Element Summary

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



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 nonbulk shipments only.
- 3 In LH109, a value of "R" or "P" requires that the receiver generate the words "residue: last contained" prior to the shipping name in accordance with regulations.

Data Element Summary

CP	Ref.	Data	Name	Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
M	LH101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	M 1 ID 2/2
		16	115 Kilogram Drum A cylindrical container whose contents weigh 115 kilograms when full	
		17	100 Pound Drum A cylindrical container whose contents weigh 100 pounds when full	
		18	55 Gallon Drum A cylindrical container whose volume is equal to 55 gallons	
		1P	Tank Car	
		TK	Tank	
This is not a comprehensive list and only includes some of the most commonly used Unit or Basis for Measurement Codes.				
M	LH102	80	Lading Quantity Number of units (pieces) of the lading commodity	M 1 N0 1/7
O	LH103	277	UN/NA Identification Code Code identifying the hazardous material identification number as required by Title 49 of the code of Federal Regulations; UN/NA stands for United Nations/North America	O 1 ID 6/6
Not Used	LH104	200	Hazardous Materials Page The United Nations page number as required for the international transport of hazardous materials	O 1 AN 1/6
O	LH105	22	Commodity Code Code describing a commodity or group of commodities	O 1 AN 1/30
O	LH106	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004040 Data Element Dictionary for acceptable code values.	O 1 ID 2/2



O	LH107	380	Quantity Numeric value of quantity	O	1	R 1/15
Not Used	LH108	595	Compartment ID Code Code identifying the compartment in a compartmentalized tank car Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 1/1
O	LH109	665	Residue Indicator Code Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded Refer to 004040 Data Element Dictionary for acceptable code values.	O	1	ID 1/1
O	LH110	254	Packing Group Code Code indicating degree of danger in terms of Roman number I, II or III	O	1	ID 1/3
Not Used	LH111	1375	Interim Hazardous Material Regulatory Number	O	1	AN 1/5



Segment: **LH2** Hazardous Classification Information
 Position: 6800
 Loop: LH1 Optional
 Level:
 Usage: Optional
 Max Use: 4
 Purpose: To specify the hazardous notation and endorsement information
 Syntax Notes:
 1 If either LH206 or LH207 is present, then the other is required.
 2 If either LH208 or LH209 is present, then the other is required.
 3 If either LH210 or LH211 is present, then the other is required.
 4 If either LH212 or LH213 is present, then the other is required.
 Semantic Notes:
 1 LH206 and LH207 indicate the flashpoint temperature.
 2 LH208 and LH209 indicate the control temperature.
 3 LH210 and LH211 indicate the emergency temperature.
 4 LH212 and LH213 indicate the net explosive weight.
 Comments:

Data Element Summary

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



X	LH210	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004040 Data Element Dictionary for acceptable code values.	X	1	ID 2/2
X	LH211	408	Temperature Temperature	X	1	R 1/4
X	LH212	188	Weight Unit Code Code specifying the weight unit E Metric Ton K Kilograms L Pounds	X	1	ID 1/1
X	LH213	267	Net Explosive Quantity Net weight of the explosive quantity of the hazardous commodity	X	1	NO 1/10



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

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
X	LH301	224	Hazardous Material Shipping Name The proper shipping name of the hazardous commodity as specified by Title 49 Code of Federal Regulations, or the shipping name of the dangerous good as defined in the Canadian Transportation of Dangerous Goods Act and Regulations, or the international regulations as promulgated by the United Nations	X 1 AN 1/25
X	LH302	984	Hazardous Material Shipping Name Qualifier Qualifier indicating the source (regulatory) of the proper shipping name C Canadian Shipping Name D Domestic (United States) Shipping Name I International Shipping Name	X 1 ID 1/1
Not Used	LH303	985	N.O.S. Indicator Code Refer to 004040 Data Element Dictionary for acceptable code values.	O 1 ID 3/3
Not Used	LH304	1073	Yes/No Condition or Response Code Refer to 004040 Data Element Dictionary for acceptable code values.	O 1 ID 1/1



Segment: **LFH** Freeform 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.
 Comments:

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	LFH01	808	Hazardous Material Shipment Information Qualifier	M 1 ID 3/3
			Qualifier indicating the type of information being passed so that a receiver may format a description of hazardous commodity movements that meets regulatory requirements	
			ADI	Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper
			D13	"DOT - 113, Do Not Bump or Cut Off Car While in Motion" Declaration
			DRC	Damaged Car Number
			HOT	Identifies Products in a Heated Molten State
			HZC	Hazardous Substance Constituents
			INH	Inhalation Hazard
			LQY	"Limited Quantity" Declaration
			MOS	Maximum Operating Speed
			MPI	Marine Pollutant
			PIH	"Poison - Inhalation Hazard" Declaration
			POI	"Poison" Declaration
			RAM	Radioactive Material Data
			TEC	Technical or Chemical Group Name
			TNM	Trade Name
			WST	Waste Declaration
			This is not a comprehensive list and only includes some of the most commonly used Hazardous Material Shipment Information Qualifiers.	
M	LFH02	809	Hazardous Material Shipment Information	M 1 AN 1/25
			Specific information required by law for hazardous material shipments	
O	LFH03	809	Hazardous Material Shipment Information	O 1 AN 1/25
			Specific information required by law for hazardous material shipments	



O	LFH04	1023	Hazard Zone Code Code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone A Hazard Zone A B Hazard Zone B C Hazard Zone C D Hazard Zone D	O	1	ID 1/1
X	LFH05	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken 4N Megabecquerel Unit of radiation G4 Gigabecquerel Unit of radiation equal to 27 millicuries R2 Becquerel Unit of radiation equal to 3.7 * 10 ¹⁰ of a curie	X	1	ID 2/2
X	LFH06	380	Quantity Numeric value of quantity	X	1	R 1/15
O	LFH07	380	Quantity Numeric value of quantity	O	1	R 1/15



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:
 Semantic Notes:
 Comments:

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
O	LEP01	806	EPA Waste Stream Number Code	O 1 ID 4/6
			Waste stream number applicable to the movement of hazardous waste as determined by government regulations	
Not Used	LEP02	807	Waste Characteristics Code	O 1 ID 12/16
Not Used	LEP03	156	State or Province Code	X 1 ID 2/2
Not Used	LEP04	127	Reference Identification	X 1 AN 1/50



Segment: **LH4** Canadian Dangerous Requirements
 Position: 7200
 Loop: LH1 Optional
 Level:
 Usage: Optional
 Max Use: 1
 Purpose: To specify additional Transport Canada requirements covering transportation of dangerous goods in Canada
 Syntax Notes: 1 If either LH401 or LH402 is present, then the other is required.
 Semantic Notes:
 Comments: LH402 is used for the emergency response plan telephone number.

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
X	LH401	238	Emergency Response Plan Number The identity number of a specific hazardous emergency response plan that is assigned by the Director General of Canada	X 1 AN 1/12
X	LH402	364	Communication Number Complete communications number including country or area code when applicable	X 1 AN 1/256
Not Used	LH403	254	Packing Group Code	O 1 ID 1/3
Not Used	LH404	230	Subsidiary Classification	O 1 ID 1/3
Not Used	LH405	230	Subsidiary Classification	O 1 ID 1/3
Not Used	LH406	230	Subsidiary Classification	O 1 ID 1/3
Not Used	LH407	271	Subsidiary Risk Indicator Refer to 004040 Data Element Dictionary for acceptable code values.	O 1 ID 1/2
Not Used	LH408	267	Net Explosive Quantity	X 1 NO 1/10
Not Used	LH409	805	Canadian Hazardous Notation	O 1 AN 1/25
Not Used	LH410	986	Special Commodity Indicator Code Refer to 004040 Data Element Dictionary for acceptable code values.	O 1 ID 1/1
Not Used	LH411	364	Communication Number	O 1 AN 1/256
Not Used	LH412	355	Unit or Basis for Measurement Code Refer to 004040 Data Element Dictionary for acceptable code values.	X 1 ID 2/2



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

CP	Ref.	Data			
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
O	LHT01	215	Hazardous Classification The hazardous classification corresponding to the shipping name of the hazardous commodity	O	1 ID 1/30
Not Used	LHT02	218	Hazardous Placard Notation	O	1 ID 14/40
Not Used	LHT03	222	Hazardous Endorsement	O	1 ID 4/25



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

CP	Ref.	Data	Name	Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
M	LHR01	128	Reference Identification Qualifier Code qualifying the Reference Identification	M 1 ID 2/3
			AH Agreement Number	
			F3 Submission Number	
			A unique number assigned to the submitted transaction set; this number is used by the payer to track every file submitted	
			HA Competent Authority	
			HD Department of Transportation Hazardous Number	
			HE Hazardous Exemption Number	
			MA Ship Notice/Manifest Number	
			MDN Hazardous Waste Manifest Document Number	
			PN Permit Number	
			S0 Special Approval	
This is not a comprehensive list and only includes some of the most commonly used Reference Identification Qualifiers.				
M	LHR02	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
O	LHR03	373	Date 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

CP	Ref.	Data	Attributes	
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named CN General Contact HM Hazardous Material Contact	M 1 ID 2/2
O	PER02	93	Name Free-form name	O 1 AN 1/60
X	PER03	365	Communication Number Qualifier Code identifying the type of communication number TE Telephone	X 1 ID 2/2
X	PER04	364	Communication Number Complete communications number including country or area code when applicable	X 1 AN 1/256
Not Used	PER05	365	Communication Number Qualifier Refer to 004040 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
Not Used	PER06	364	Communication Number	X 1 AN 1/256
Not Used	PER07	365	Communication Number Qualifier Refer to 004040 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
Not Used	PER08	364	Communication Number	X 1 AN 1/256
Not Used	PER09	443	Contact Inquiry Reference	O 1 AN 1/20



Segment: **N1** Name
 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.

Data Element Summary

CP	Ref.	Data	Attributes	
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M 1 ID 2/3
O	N102	93	Name Free-form name	X 1 AN 1/60
X	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) Refer to 004040 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
X	N104	67	Identification Code Code identifying a party or other code	X 1 AN 2/80
Not Used	N105	706	Entity Relationship Code Refer to 004040 Data Element Dictionary for acceptable code values.	O 1 ID 2/2
Not Used	N106	98	Entity Identifier Code Refer to 004040 Data Element Dictionary for acceptable code values.	O 1 ID 2/3



Segment: **N3** Address Information
 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

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information	M 1 AN 1/55
Not Used	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.
 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

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
O	N401	19	City Name Free-form text for city name	O 1 AN 2/30
O	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	X 1 ID 2/2
O	N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O 1 ID 3/15
O	N404	26	Country Code Code identifying the country	X 1 ID 2/3
Not Used	N405	309	Location Qualifier Refer to 004040 Data Element Dictionary for acceptable code values.	X 1 ID 1/2
Not Used	N406	310	Location Identifier	O 1 AN 1/30
Not Used	N407	1715	Country Subdivision Code	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.
 Semantic Notes:
 Comments:

Data Element Summary

CP	Ref.	Data	Name	Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
M	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named Refer to 004040 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
O	PER02	93	Name Free-form name	O 1 AN 1/60
X	PER03	365	Communication Number Qualifier Code identifying the type of communication number Refer to 004040 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
X	PER04	364	Communication Number Complete communications number including country or area code when applicable	X 1 AN 1/256
Not Used	PER05	365	Communication Number Qualifier Refer to 004040 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
Not Used	PER06	364	Communication Number	X 1 AN 1/256
Not Used	PER07	365	Communication Number Qualifier Refer to 004040 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
Not Used	PER08	364	Communication Number	X 1 AN 1/256
Not Used	PER09	443	Contact Inquiry Reference	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:
 - 1 One loop may be nested contained within another loop, provided the inner nested loop terminates before the other loop. When specified by the standards setting body as mandatory, this segment in combination with "LS", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The value for the identifier is the loop ID of the required loop beginning segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.
- Comments:
 - 1 See Figures Appendix for an explanation of the use of the LE and LS segments.

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	LE01	447	Loop Identifier Code	M 1 AN 1/6
			The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE	



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.
 Semantic Notes:
 Comments:

Data Element Summary

CP	Ref.	Data	Name	Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
M	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named Refer to 004040 Data Element Dictionary for acceptable code values.	M 1 ID 2/2
O	PER02	93	Name Free-form name	O 1 AN 1/60
X	PER03	365	Communication Number Qualifier Code identifying the type of communication number Refer to 004040 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
X	PER04	364	Communication Number Complete communications number including country or area code when applicable	X 1 AN 1/256
Not Used	PER05	365	Communication Number Qualifier Refer to 004040 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
Not Used	PER06	364	Communication Number	X 1 AN 1/256
Not Used	PER07	365	Communication Number Qualifier Refer to 004040 Data Element Dictionary for acceptable code values.	X 1 ID 2/2
Not Used	PER08	364	Communication Number	X 1 AN 1/256
Not Used	PER09	443	Contact Inquiry Reference	O 1 AN 1/20



Segment: **LH2** Hazardous Classification Information
 Position: 7700
 Loop:
 Level:
 Usage: Optional
 Max Use: 6
 Purpose: To specify the hazardous notation and endorsement information
 Syntax Notes:
 Semantic Notes:
 Comments:

Data Element Summary

CP	Ref.	Data			
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
Not Used	LH201	215	Hazardous Classification	O	1 ID 1/30
Not Used	LH202	983	Hazardous Class Qualifier	O	1 ID 1/1
			Refer to 004040 Data Element Dictionary for acceptable code values.		
O	LH203	218	Hazardous Placard Notation	O	1 ID 14/40
			The placard notation corresponding to the hazard class of the hazardous commodity		
Not Used	LH204	222	Hazardous Endorsement	O	1 ID 4/25
Not Used	LH205	759	Reportable Quantity Code	O	1 ID 2/2
			Refer to 004040 Data Element Dictionary for acceptable code values.		
Not Used	LH206	355	Unit or Basis for Measurement Code	X	1 ID 2/2
			Refer to 004040 Data Element Dictionary for acceptable code values.		
Not Used	LH207	408	Temperature	X	1 R 1/4
Not Used	LH208	355	Unit or Basis for Measurement Code	X	1 ID 2/2
			Refer to 004040 Data Element Dictionary for acceptable code values.		
Not Used	LH209	408	Temperature	X	1 R 1/4
Not Used	LH210	355	Unit or Basis for Measurement Code	X	1 ID 2/2
			Refer to 004040 Data Element Dictionary for acceptable code values.		
Not Used	LH211	408	Temperature	X	1 R 1/4
Not Used	LH212	188	Weight Unit Code	X	1 ID 1/1
			Refer to 004040 Data Element Dictionary for acceptable code values.		
Not Used	LH213	267	Net Explosive Quantity	X	1 N0 1/10



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

CP	Ref.	Data			
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	LHR01	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004040 Data Element Dictionary for acceptable code values.	M	1 ID 2/3
M	LHR02	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
O	LHR03	373	Date 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: This segment is used to specify a pro forma invoice and B13 Canadian Customs Export Declaration information, required by U.S. and Canadian customs

Syntax Notes:

- Semantic Notes:
- 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.
 - XH06 will contain percentage of a component of a product which is required by customs to be reported.
 - XH07 will contain unit price of the item being shipped.
- Comments:
- This segment is to be used for shipments originating in Canada only.

Data Element Summary

CP	Ref.	Data			
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	XH01	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified	M	1 ID 3/3
O	XH02	645	Related Company Indication Code Code indicating parties to a transaction Refer to 004040 Data Element Dictionary for acceptable code values.	O	1 ID 1/1
O	XH03	150	Special Charge or Allowance Code Code identifying type of special charge or allowance Refer to 004040 Data Element Dictionary for acceptable code values.	O	1 ID 3/3
O	XH04	610	Amount Monetary amount	O	1 N2 1/15
O	XH05	503	Block 20 Code Code defining Block 20 characteristics Refer to 004040 Data Element Dictionary for acceptable code values.	O	1 ID 1/1
O	XH06	504	Chemical Analysis Percentage Chemical analysis percentage	O	1 N2 2/9
O	XH07	212	Unit Price Price per unit of product, service, commodity, etc.	O	1 R 1/17



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

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

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M 1 NO 1/10
M	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M 1 AN 4/9



Sample 417:

ISA*00* *00* *ZZ*CPRST *ZZ*RECEIVER *190123*1435*U*00305*000565591*0*P*:
GS*WB*CPRST*RECEIVER*20190123*143500*655910001*X*004040
ST*417*0001
BX*00*R*NC*13403*CPRS*L*H*N*V
BNX*N**S
N9*IL*12345
N9*FRC*H283
N9*BM*NS**20190123*133500*CS
N9*WM*TAW
N9*OD*13403
DTM*002*20190123*1335*CS
N7*UCRY*6510*110685*N**00
N8*379970*20190123
F9*00817*SUPERIOR*WI*****323130
D9*09637*ASHCROFT*BC*****091045
N1*SH*SHIPPER NAME*C5*0061794930000
N3*3185 S COUNTY RD A
N4*SUPERIOR*WI*54880*US
N1*CN*CANADIAN PACIFIC RAILWAY CO*C5*2001983699040
N3*7550 OGDEN DALE ROAD SE
N4*CALGARY*AB*T2C4X9*CA
N1*C1*CARE OF PARTY*C5*2029429670000
N3*1425 EVANS RD
N4*ASHCROFT*BC*V0K1A0*CA
N1*XQ*CUSTOMS BROKER*C5*A000302450000
N3*ROUTE 9-15
N4*LACOLLE*PQ*J0J1J0*CA
R2*CPRS*S
LX*1
L5*1*TIES, RAILROAD*2411210*T
LO*1***0*N***471*PCS**L
SE*30*0001
GE*1*655910001
IEA*1*000565591