404 Rail Carrier Shipment Information

Introduction:

This X12 Transaction Set contains the format and establishes the data contents of the Rail Carrier Shipment Information Transaction Set (404) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to transmit rail-carrier-specific bill of lading information to a railroad. It is the initial tender of a shipment between a consignor and a rail carrier and can be used as notification of equipment release and/or a legal bill of lading.

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		
	0200	ZC1	Beginning Segment for Data Correction or Change	O	1		
	0300	BX	General Shipment Information	O	1		n1
	0400	BNX	Rail Shipment Information	O	1		
M	0500	M3	Release	M	1		
M	0600	N9	Extended Reference Information	M	30		
	0700	CM	Cargo Manifest	O	2		
	0800	M1	Insurance	O	1		
	0900	DTM	Date/Time Reference	O	5		
			LOOP ID - N7			500	
M	1000	N7	Equipment Details	M	1		
	1010	EM	Equipment Characteristics	O	1		
			LOOP ID - VC			36	
	1100	VC	Motor Vehicle Control	O	1		
			LOOP ID - N1			2	
	1120	N1	Party Identification	O	1		
	1140	N3	Party Location	O	2		
	1160	N4	Geographic Location	O	1		
	1180	H3	Special Handling Instructions	O	1		
	1300	M7	Seal Numbers	O	5		
	1400	N5	Equipment Ordered	O	1		
	1500	IC	Intermodal Chassis Equipment	O	1		
	1600	IM	Intermodal Movement Information	O	1		
	1700	M12	In-bond Identifying Information	O	2		
			LOOP ID - E1			2	
	1710	E1	Empty Car Disposition - Pended Destination Consignee	O	1		
	1720	E4	Empty Car Disposition - Pended Destination City	O	1		
	1730	E5	Empty Car Disposition - Pended Destination Route	O	13		
	1740	PI	Price Authority Identification	O	1		
	1750	GA	Canadian Grain Information	O	15		
			LOOP ID - REF			99	
	1770	REF	Reference Information	O	1		
	1780	N10	Quantity and Description	O	15		
			LOOP ID - N1			5	
	1790	N1	Party Identification	O	1		

	1800	N3	Party Location	O	1
	1820	N4	Geographic Location	O	1
	1850	NA	Cross-Reference Equipment	O	10
M	1900	F9	Origin Station	M	1
M	2000	D9	Destination Station	M	1

			LOOP ID - N1			15
M	2100	N1	Party Identification	M	1	
	2150	N2	Additional Name Information	O	2	
	2200	N3	Party Location	O	2	
	2300	N4	Geographic Location	O	1	
	2350	REF	Reference Information	O	2	
	2400	PER	Administrative Communications Contact	O	2	
	2520	BL	Billing Information	O	12	

			LOOP ID - S1			12
	4300	S1	Stop-off Name	O	1	
	4400	S2	Stop-off Address	O	2	
	4480	S9	Stop-off Station	O	1	
	4490	N1	Party Identification	O	1	
	4500	N2	Additional Name Information	O	1	
	4510	N3	Party Location	O	1	
	4520	N4	Geographic Location	O	1	
	4530	PER	Administrative Communications Contact	O	1	

| | 4600 | R2 | Route Information | O | 13 |
| | 4800 | R9 | Route Code Identification | O | 1 |

			LOOP ID - E1			2
	4900	E1	Empty Car Disposition - Pended Destination Consignee	O	1	
	5000	E4	Empty Car Disposition - Pended Destination City	O	1	
	5100	E5	Empty Car Disposition - Pended Destination Route	O	13	
	5110	PI	Price Authority Identification	O	1	

| | 5200 | H3 | Special Handling Instructions | O | 20 |
| | 5300 | PS | Protective Service Instructions | O | 5 |

			LOOP ID - LX			25
M	5400	LX	Transaction Set Line Number	M	1	
M	5500	L5	Description, Marks and Numbers	M	15	

			LOOP ID - L0			25
	5700	L0	Line Item - Quantity and Weight	O	1	
	5750	MEA	Measurements	O	3	
	5800	L1	Rate and Charges	O	10	
	5900	PI	Price Authority Identification	O	30	

| | 6000 | X1 | Export License | O | 6 |

			LOOP ID - T1			64
	6100	T1	Transit Inbound Origin	O	1	
	6200	T2	Transit Inbound Lading	O	30	
	6300	T3	Transit Inbound Route	O	12	
	6400	T6	Transit Inbound Rates	O	1	
	6500	T8	Free-form Transit Data	O	99	

| | 6600 | L3 | Total Weight and Charges | O | 1 |
| | 6700 | LS | Loop Header | O | 1 |

			LOOP ID - LH1			1000
	6800	LH1	Hazardous Identification Information	O	1	
	6900	LH2	Hazardous Classification Information	O	4	n2
	7000	LH3	Hazardous Material Shipping Name Information	O	10	
	7100	LFH	Free-form Hazardous Material Information	O	20	
	7200	LEP	EPA Required Data	O	3	
	7300	LH4	Canadian Dangerous Requirements	O	4	
	7400	LHT	Transborder Hazardous Requirements	O	3	
	7500	LHR	Hazardous Material Identifying Reference Numbers	O	5	
	7550	PER	Administrative Communications Contact	O	5	
			LOOP ID - N1			10
	7560	N1	Party Identification	O	1	
	7570	N3	Party Location	O	2	
	7580	N4	Geographic Location	O	1	
	7590	PER	Administrative Communications Contact	O	2	
	7600	LE	Loop Trailer	O	1	
	7700	PER	Administrative Communications Contact	O	5	
	7800	LH2	Hazardous Classification Information	O	6	n3
	7900	LHR	Hazardous Material Identifying Reference Numbers	O	1	
	8000	LH6	Hazardous Certification	O	5	
	8100	XH	Pro Forma - B13 Information	O	1	
	8200	X7	Customs Information	O	10	
M	8400	SE	Transaction Set Trailer	M	1	

Transaction Set Notes

1. BX05 contains the Standard Carrier Alpha Code (SCAC) of the original roadhaul carrier receiving the shipment.

2. If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory. However, the receiver must consider it to be blanks when printing a paper document.

3. If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory. However, the receiver must consider it to be blanks when printing a paper document.

		Segment:	**ST** **Transaction Set Header**

Segment:	**ST** **Transaction Set Header**
Position:	0100
Loop:	
Level:	
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the start of a transaction set and to assign a control number
Syntax Notes:	
Semantic Notes:	1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
	2 The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.
Comments:	
Business Rules:	Variable Name: STST

Data Element Summary

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

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
	ZC101	145	**Shipment Identification Number**	O	1	AN 1/30
			Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)			
	ZC102	206	**Equipment Initial**	O	1	AN 1/4
			Prefix or alphabetic part of an equipment unit's identifying number			
M	ZC103	207	**Equipment Number**	M	1	AN 1/15
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)			
M	ZC104	244	**Transaction Reference Number**	M	1	AN 1/50
			Sender's assigned number for referenced transaction set			
M	ZC105	243	**Transaction Reference Date**	M	1	DT 8/8
			Date of referenced transaction set expressed in format CCYYMMDD where CC represents the first two digits of the calendar year			
M	ZC106	202	**Correction Indicator**	M	1	ID 2/2
			Code used to indicate that the transaction set contains information which corrects previous information			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
M	ZC107	140	**Standard Carrier Alpha Code**	M	1	ID 2/4
			Standard Carrier Alpha Code			
M	ZC108	91	**Transportation Method/Type Code**	M	1	ID 1/2
			Code specifying the method or type of transportation for the shipment			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	ZC109	761	**Equipment Number Check Digit**	O	1	N0 1/1
			Number which designates the check digit applied to a piece of equipment			

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	BX01	353	**Transaction Set Purpose Code**	M	1	ID 2/2
			Code identifying purpose of transaction set			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
M	BX02	91	**Transportation Method/Type Code**	M	1	ID 1/2
			Code specifying the method or type of transportation for the shipment			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
M	BX03	146	**Shipment Method of Payment**	M	1	ID 2/2
			Code identifying payment terms for transportation charges			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	BX04	145	**Shipment Identification Number**	O	1	AN 1/30
			Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)			
	BX05	140	**Standard Carrier Alpha Code**	O	1	ID 2/4
			Standard Carrier Alpha Code			
	BX06	188	**Weight Unit Code**	O	1	ID 1/1
			Code specifying the weight unit			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	BX07	147	**Shipment Qualifier**	O	1	ID 1/1
			Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	BX08	226	**Section Seven Code**	O	1	ID 1/1
			Code indicating applicability of section seven option (if not transmitted assume not in effect)			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	BX09	195	**Capacity Load Code**	O	1	ID 1/1
			Code specifying type of capacity load			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	BX10	160	**Status Report Request Code**	O	1	ID 1/1
			Code used by the shipper to specify that an automatic status report is requested when the shipment is delivered			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	BX11	501	**Customs Documentation Handling Code**	O	1	ID 2/2
			Code defining method of handling for documentation			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	BX12	199	**Confidential Billing Request Code**	O	1	ID 1/1
			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 005010 Data Element Dictionary for acceptable code values.

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

Code required to identify the reason for a 0% rated goods and services tax

Refer to 005010 Data Element Dictionary for acceptable code values.

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

Code identifying an application

Refer to 005010 Data Element Dictionary for acceptable code values.

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

Data Element Summary

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

	Segment:	**M3** Release
	Position:	0500
	Loop:	
	Level:	
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To indicate that the equipment is or is not to be released
	Syntax Notes:	1 At least one of M302 or M303 is required.
		2 If M304 is present, then M303 is required.
	Semantic Notes:	1 If M301 contains code value "S" or "R", then M302 is the date of release. If M301 contains code value "U", then M302 is the estimated date of release.
		2 M304 reflects the time zone which the time reflects.
	Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	M301	132	**Release Code**	M	1	ID 1/1
			Code signifying whether or not the shipment information transaction set includes instructions for pickup and movement of the shipment; (This code provides a means for the shipper to transmit billing data along with the movement instructions, transmit billing data ahead of the movement instructions, or follow movement instructions with complete billing data at a later date) Refer to 005010 Data Element Dictionary for acceptable code values.			
	M302	373	**Date**	X	1	DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
	M303	337	**Time**	X	1	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
	M304	623	**Time Code**	O	1	ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 005010 Data Element Dictionary for acceptable code values.			

Segment:		**N9** Extended Reference Information			
Position:		0600			
Loop:					
Level:					
Usage:		Mandatory			
Max Use:		30			
Purpose:		To transmit identifying information as specified by the Reference Identification Qualifier			
Syntax Notes:		**1** At least one of N902 or N903 is required.			
		2 If N906 is present, then N905 is required.			
		3 If either C04003 or C04004 is present, then the other is required.			
		4 If either C04005 or C04006 is present, then the other is required.			
Semantic Notes:		**1** N906 reflects the time zone which the time reflects.			
		2 N907 contains data relating to the value cited in N902.			
Comments:					

Data Element Summary

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

| **C04005** | **128** | **Reference Identification Qualifier** | **X** | **ID 2/3** |

Code qualifying the Reference Identification

Refer to 005010 Data Element Dictionary for acceptable code values.

| **C04006** | **127** | **Reference Identification** | **X** | **AN 1/50** |

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

Segment:	**CM** Cargo Manifest
Position:	0700
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

Ref. Des.	Data Element	Name	Attributes		
CM01	55	**Flight/Voyage Number**	O	1	AN 2/10
		Identifying designator for the particular flight or voyage on which the cargo travels			
CM02	115	**Port or Terminal Function Code**	X	1	ID 1/1
		Code defining function performed at the port or terminal with respect to a shipment			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
CM03	114	**Port Name**	O	1	AN 2/24
		Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property			
CM04	373	**Date**	O	1	DT 8/8
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
CM05	13	**Booking Number**	O	1	AN 1/17
		Number assigned by the carrier for space reservation			
CM06	140	**Standard Carrier Alpha Code**	O	1	ID 2/4
		Standard Carrier Alpha Code			
CM07	140	**Standard Carrier Alpha Code**	O	1	ID 2/4
		Standard Carrier Alpha Code			
CM08	373	**Date**	O	1	DT 8/8
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
CM09	182	**Vessel Name**	O	1	AN 2/28
		Name of ship as documented in "Lloyd's Register of Ships"			
CM10	113	**Pier Number**	O	1	AN 1/4
		Identifying number for the pier			
CM11	112	**Pier Name**	O	1	AN 2/14
		Free-form name of the pier			
CM12	174	**Terminal Name**	O	1	AN 2/30
		Free-form field for terminal name			
CM13	156	**State or Province Code**	O	1	ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency			
CM14	26	**Country Code**	O	1	ID 2/3
		Code identifying the country			
CM15	127	**Reference Identification**	O	1	AN 1/50
		Reference information as defined for a particular Transaction Set or as specified			

by the Reference Identification Qualifier

CM16	**202**	**Correction Indicator**	**O**	**1**	**ID 2/2**

Code used to indicate that the transaction set contains information which
corrects previous information
Refer to 005010 Data Element Dictionary for acceptable code values.

CM17	**91**	**Transportation Method/Type Code**	**O**	**1**	**ID 1/2**

Code specifying the method or type of transportation for the shipment
Refer to 005010 Data Element Dictionary for acceptable code values.

Segment:	**M1** Insurance				

Position: 0800
Loop:
Level:
Usage: Optional
Max Use: 1
Purpose: To specify details related to insurance
Syntax Notes: 1 If either M107 or M108 is present, then the other is required.
2 If either M109 or M110 is present, then the other is required.
3 If either M111 or M112 is present, then the other is required.
Semantic Notes: 1 M101 is the code identifying the country in whose currency the insurance is specified.
2 M105 (organization identifier) is the code for the beneficiary of the insurance policy.
3 M106 is free-form information used to describe the type of insurance coverage.
Comments: 1 M107 through M112 may be used to specify the values to be used in insurance formulas. For example: M107 and M108 may specify the basis of application and the premium rate ($0.25 per hundred), M109 and M110 may specify the value at which insurance is to be obtained (insure at 110% of bill of lading value), and M111 and M112 may specify the premium rate (rate of .015 per dollar).

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	M101	26	**Country Code**	M	1	ID 2/3	
			Code identifying the country				
	M102	14	**Carriage Value**	O	1	N0 2/8	
			Carriage value expressed in whole units of the standard monetary denomination for the currency specified				
	M103	74	**Declared Value**	O	1	N2 2/12	
			Monetary assigned value expressed in the standard monetary denomination for the currency specified				
	M104	122	**Rate/Value Qualifier**	O	1	ID 2/2	
			Code qualifying how to extend charges or interpret value				
			Refer to 005010 Data Element Dictionary for acceptable code values.				
	M105	98	**Entity Identifier Code**	O	1	ID 2/3	
			Code identifying an organizational entity, a physical location, property or an individual				
			Refer to 005010 Data Element Dictionary for acceptable code values.				
	M106	61	**Free-form Information**	O	1	AN 1/30	
			Free-form information				
	M107	122	**Rate/Value Qualifier**	X	1	ID 2/2	
			Code qualifying how to extend charges or interpret value				
			Refer to 005010 Data Element Dictionary for acceptable code values.				
	M108	782	**Monetary Amount**	X	1	R 1/18	
			Monetary amount				
	M109	1004	**Percent Qualifier**	X	1	ID 1/2	
			Code to qualify percent				
			Refer to 005010 Data Element Dictionary for acceptable code values.				
	M110	954	**Percentage as Decimal**	X	1	R 1/10	
			Percentage expressed as a decimal (e.g., 0.0 through 1.0 represents 0% through 100%)				
	M111	1004	**Percent Qualifier**	X	1	ID 1/2	
			Code to qualify percent				
			Refer to 005010 Data Element Dictionary for acceptable code values.				
	M112	954	**Percentage as Decimal**	X	1	R 1/10	

Percentage expressed as a decimal (e.g., 0.0 through 1.0 represents 0% through 100%)

			Segment:	**DTM** Date/Time Reference

Segment: **DTM** Date/Time Reference
Position: 0900
Loop:
Level:
Usage: Optional
Max Use: 5
Purpose: To specify pertinent dates and times
Syntax Notes: 1 At least one of DTM02 DTM03 or DTM05 is required.
2 If DTM04 is present, then DTM03 is required.
3 If either DTM05 or DTM06 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	DTM01	374	**Date/Time Qualifier**	M	1	ID 3/3
			Code specifying type of date or time, or both date and time			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	DTM02	373	**Date**	X	1	DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
	DTM03	337	**Time**	X	1	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)			
	DTM04	623	**Time Code**	O	1	ID 2/2
			Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 005010 Data Element Dictionary for acceptable code values.			
	DTM05	1250	**Date Time Period Format Qualifier**	X	1	ID 2/3
			Code indicating the date format, time format, or date and time format			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	DTM06	1251	**Date Time Period**	X	1	AN 1/35
			Expression of a date, a time, or range of dates, times or dates and times			

	Segment:	**N7** Equipment Details
	Position:	1000
	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

	Ref. Des.	Data Element	Name		Attributes	
	N701	206	Equipment Initial	O	1	AN 1/4
			Prefix or alphabetic part of an equipment unit's identifying number			
M	N702	207	Equipment Number	M	1	AN 1/15
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)			
	N703	81	Weight	X	1	R 1/10
			Numeric value of weight			
	N704	187	Weight Qualifier	X	1	ID 1/2
			Code defining the type of weight			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	N705	167	Tare Weight	X	1	N0 3/8
			Weight of the equipment			
	N706	232	Weight Allowance	O	1	N0 2/6
			Allowance made for increased weight due to such factors as snow			
	N707	205	Dunnage	O	1	N0 1/6
			Weight of material used to protect lading (even bracings, false floors, etc.)			
	N708	183	Volume	X	1	R 1/8
			Value of volumetric measure			
	N709	184	Volume Unit Qualifier	X	1	ID 1/1
			Code identifying the volume unit			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	N710	102	Ownership Code	O	1	ID 1/1
			Code indicating the relationship of equipment to carrier or ownership of equipment			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	N711	40	Equipment Description Code	O	1	ID 2/2
			Code identifying type of equipment used for shipment			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	N712	140	Standard Carrier Alpha Code	O	1	ID 2/4
			Standard Carrier Alpha Code			
	N713	319	Temperature Control	O	1	AN 3/6
			Free-form abbreviation of temperature range or flash-point temperature			
	N714	219	Position	O	1	AN 1/3
			Relative position of shipment in car, trailer, or container (mutually defined)			
	N715	567	Equipment Length	O	1	N0 4/5

Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)

N716	**571**	**Tare Qualifier Code**	**X**	**1**	**ID 1/1**

Code identifying the type of tare

Refer to 005010 Data Element Dictionary for acceptable code values.

N717	**188**	**Weight Unit Code**	**O**	**1**	**ID 1/1**

Code specifying the weight unit

Refer to 005010 Data Element Dictionary for acceptable code values.

N718	**761**	**Equipment Number Check Digit**	**O**	**1**	**N0 1/1**

Number which designates the check digit applied to a piece of equipment

N719	**56**	**Type of Service Code**	**O**	**1**	**ID 2/2**

Code specifying extent of transportation service requested

Refer to 005010 Data Element Dictionary for acceptable code values.

N720	**65**	**Height**	**O**	**1**	**R 1/8**

Vertical dimension of an object measured when the object is in the upright position

N721	**189**	**Width**	**O**	**1**	**R 1/8**

Shorter measurement of the two horizontal dimensions measured with the object in the upright position

N722	**24**	**Equipment Type**	**O**	**1**	**ID 4/4**

Code identifying equipment type

N723	**140**	**Standard Carrier Alpha Code**	**O**	**1**	**ID 2/4**

Standard Carrier Alpha Code

N724	**301**	**Car Type Code**	**O**	**1**	**ID 1/4**

Code specifying type of rail car or intermodal equipment type and its general characteristics

Segment:	**EM** Equipment Characteristics
Position:	1010
Loop:	N7 Mandatory
Level:	
Usage:	Optional
Max Use:	1
Purpose:	To send additional information regarding a specific piece of equipment
Syntax Notes:	1 If EM02 is present, then EM01 is required.
	2 If EM04 is present, then EM03 is required.
Semantic Notes:	1 EM02 is the maximum load weight.
	2 EM04 is the maximum load volume.
	3 EM05 is the country of manufacture.
	4 EM07 is the last inspection date for convention of safe container.
Comments:	

Data Element Summary

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

Segment:		**VC** Motor Vehicle Control			
Position:	1100				
Loop:	VC	Optional			
Level:					
Usage:	Optional				
Max Use:	1				
Purpose:	To define motor vehicle identification and logistics				
Syntax Notes:					
Semantic Notes:	**1**	VC05 is the automotive manufacturer route code.			
	2	VC12 is the direction the headlights of the vehicle point.			
	3	VC13 is the final destination ramp location as assigned by the manufacturer.			
Comments:					

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	**VC01**	**539**	**Vehicle Identification Number**	**M**	**1**	**AN 1/30**
			Unique identification number stamped on the vehicle by the manufacturer			
	VC02	**836**	**Vehicle Deck Position Code**	**O**	**1**	**ID 2/2**
			Code to identify the specific position of a vehicle on multi-level equipment; when dealing with rail cars the front end will be defined as that end of the rail car which the vehicle faces			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	VC03	**837**	**Vehicle Type Code**	**O**	**1**	**ID 1/1**
			Vehicle Type Code for freight rate and claims purposes			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	VC04	**838**	**Dealer Code**	**O**	**1**	**AN 2/9**
			A code assigned by a manufacturer to identify their dealers			
	VC05	**1**	**Route Code**	**O**	**1**	**AN 1/13**
			Mutually defined route code			
	VC06	**839**	**Bay Location**	**O**	**1**	**AN 1/6**
			Location where the releasing agent placed the motor vehicle			
	VC07	**833**	**Automotive Manufacturers Code**	**O**	**1**	**ID 2/2**
			Code (ARR) used to identify vehicle manufacturer			
	VC08	**308**	**Damage Exception Indicator**	**O**	**1**	**ID 1/1**
			Code to indicate whether damage is being reported to a vehicle in this transaction set			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	VC09	**835**	**Supplemental Inspection Code**	**O**	**1**	**ID 1/1**
			A code to indicate a supplemental inspection			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	VC10	**583**	**Factory Car Order Number**	**O**	**1**	**AN 6/10**
			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			
	VC11	**877**	**Vessel Stowage Location**	**O**	**1**	**AN 1/12**
			Location of cargo stowed on board an ocean vessel			
	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 005010 Data Element Dictionary for acceptable code values.			
	VC13	**310**	**Location Identifier**	**O**	**1**	**AN 1/30**
			Code which identifies a specific location			

	Segment:	**N1** Party Identification
	Position:	1120
	Loop:	N1 Optional
	Level:	
	Usage:	Optional
	Max Use:	1
	Purpose:	To identify a party by type of organization, name, and code
	Syntax Notes:	1 At least one of N102 or N103 is required.
		2 If either N103 or N104 is present, then the other is required.
	Semantic Notes:	
	Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
		2 N105 and N106 further define the type of entity in N101.

Data Element Summary

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

Segment: **N3** Party Location
Position: 1140
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

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

		Segment:	**N4** Geographic Location

Segment: **N4** Geographic Location
Position: 1160
Loop: N1　　　　Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 　1　Only one of N402 or N407 may be present.
　　　　　　　　　2　If N406 is present, then N405 is required.
　　　　　　　　　3　If N407 is present, then N404 is required.
Semantic Notes:
Comments: 　1　A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
　　　　　　　　2　N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

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

Segment: **H3** Special Handling Instructions
Position: 1180
Loop: N1 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To specify special handling instructions in coded or free-form format
Syntax Notes: 1 Only one of H301 or H302 may be present.
Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
H301	152	**Special Handling Code**	X	1	ID 2/3
		Code specifying special transportation handling instructions			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
H302	153	**Special Handling Description**	X	1	AN 2/30
		Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate			
H303	241	**Protective Service Code**	O	1	ID 1/4
		Code specifying perishable protective service- rail carriers only			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
H304	242	**Vent Instruction Code**	O	1	ID 1/7
		Code specifying vent instructions			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
H305	257	**Tariff Application Code**	O	1	ID 1/1
		Code indicating to which traffic a tariff applies			
		Refer to 005010 Data Element Dictionary for acceptable code values.			

Segment:	**M7** Seal Numbers
Position:	1300
Loop:	N7 Mandatory
Level:	
Usage:	Optional
Max Use:	5
Purpose:	To record seal numbers used and the organization that applied the seals
Syntax Notes:	
Semantic Notes:	
Comments:	1 M705 indicates the name of the organization which applied the seal(s).

Data Element Summary

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

Segment:	**N5** Equipment Ordered			
Position:	1400			
Loop:	N7	Mandatory		
Level:				
Usage:	Optional			
Max Use:	1			
Purpose:	To specify carrier equipment			
Syntax Notes:	1	If either N507 or N508 is present, then the other is required.		
Semantic Notes:				
Comments:	1	N506 is expressed in inches.		

Data Element Summary

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

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

Segment: **IC** Intermodal Chassis Equipment
Position: 1500
Loop: N7   Mandatory
Level:
Usage: Optional
Max Use: 1
Purpose: To specify the chassis equipment details in terms of identifying numbers, weights, and ownership
Syntax Notes: 1   If either IC03 or IC04 is present, then the other is required.
Semantic Notes: 1   IC05 is the chassis owner.
                 2   IC07 is the equipment lessee.
                 3   IC09 is the equipment check digit for the equipment number in IC02.
Comments:

Data Element Summary

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

Segment:	**IM** Intermodal Movement Information
Position:	1600
Loop:	N7 Mandatory
Level:	
Usage:	Optional
Max Use:	1
Purpose:	To specify the overall movement of a shipment
Syntax Notes:	
Semantic Notes:	1 IM03 is required if IM02 is "IP" or "XP".
Comments:	

Data Element Summary

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

Segment:		**M12** In-bond Identifying Information				

Segment:	**M12** In-bond Identifying Information
Position:	1700
Loop:	N7 Mandatory
Level:	
Usage:	Optional
Max Use:	2
Purpose:	To transmit in-bond information
Syntax Notes:	1 Only one of M1202 or M1206 may be present.
	2 If M1206 is present, then M1208 is required.
	3 If either M1208 or M1209 is present, then the other is required.
	4 If either M1210 or M1211 is present, then the other is required.
Semantic Notes:	1 M1203 is a four-digit numeric census schedule D when identifying a U.S. port, and a three-digit numeric memorandum D when identifying a Canadian port. It is the port of destination if M1201 is "61". It is the port of export if M1201 is "62" or "63".
	2 M1204 is five-digit numeric census schedule K. It is the foreign port of destination if M1201 is "62" or "63".
	3 M1207 identifies the carrier to whom liability is transferred.
Comments:	1 If M1202 does not contain the paperless entry number, then M1206 is required.
	2 M1205 is the value in whole dollars of the in-bond movement. Use twenty dollars per kilo if value is unknown.

Data Element Summary

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

	Segment:	**E1** Empty Car Disposition - Pended Destination Consignee

Segment: **E1** Empty Car Disposition - Pended Destination Consignee
Position: 1710
Loop: E1   Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To identify the party receiving the empty car
Syntax Notes: 1   If either E102 or E103 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

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

Segment:	**E4** Empty Car Disposition - Pended Destination City					

Segment: **E4** Empty Car Disposition - Pended Destination City
Position: 1720
Loop: E1   Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of named party receiving the empty car
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

			Segment:	**E5** Empty Car Disposition - Pended Destination Route

Segment: **E5** Empty Car Disposition - Pended Destination Route
Position: 1730
Loop: E1   Optional
Level:
Usage: Optional
Max Use: 13
Purpose: To specify the routing of the empty car
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

	Segment:		**PI** Price Authority Identification					

Segment: **PI** Price Authority Identification
Position: 1740
Loop: E1   Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To communicate basis of pricing, such as contract number, quote number, or tariff number
Syntax Notes:
Semantic Notes: 1   PI07 is the price authority suffix for the contract.
     2   PI08 is the price authority item number.
     3   PI09 is the price authority supplement.
     4   PI10 is the price authority section number.
     5   PI11 is the price authority suffix for tariff.
     6   PI12 is the effective date.
     7   PI13 is the expiration date.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes		
M	PI01	128	**Reference Identification Qualifier**	M	1	ID 2/3	
			Code qualifying the Reference Identification				
			Refer to 005010 Data Element Dictionary for acceptable code values.				
M	PI02	127	**Reference Identification**	M	1	AN 1/50	
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
	PI03	436	**Primary Publication Authority Code**	O	1	ID 2/2	
			Code indicating type of external reference				
			Refer to 005010 Data Element Dictionary for acceptable code values.				
	PI04	930	**Regulatory Agency Code**	O	1	ID 3/5	
			Code relating to the regulatory agency governing the price reference				
	PI05	168	**Tariff Agency Code**	O	1	ID 1/4	
			Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment				
	PI06	965	**Issuing Carrier Identifier**	O	1	AN 1/10	
			Identification assigned by issuing carrier				
	PI07	660	**Contract Suffix**	O	1	AN 1/2	
			Used to identify a type of contract				
	PI08	169	**Tariff Item Number**	O	1	AN 1/16	
			Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment				
	PI09	173	**Tariff Supplement Identifier**	O	1	AN 1/4	
			Identifier for the tariff supplement which contains the rate used				
	PI10	172	**Tariff Section Number**	O	1	AN 1/2	
			Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff				
	PI11	660	**Contract Suffix**	O	1	AN 1/2	
			Used to identify a type of contract				
	PI12	373	**Date**	O	1	DT 8/8	
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
	PI13	373	**Date**	O	1	DT 8/8	
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
	PI14	629	**Alternation Precedence Code**	O	1	ID 1/1	

Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual carrier rules and procedures shall govern
Refer to 005010 Data Element Dictionary for acceptable code values.

PI15   629   Alternation Precedence Code   O   1   ID 1/1

Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual carrier rules and procedures shall govern
Refer to 005010 Data Element Dictionary for acceptable code values.

PI16   284   Service Level Code   O   1   ID 2/2

Code indicating the level of transportation service or the billing service offered by the transportation carrier
Refer to 005010 Data Element Dictionary for acceptable code values.

	GA Canadian Grain Information			
Segment:				
Position:	1750			
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　If GA13 is equal to "Y" then this is a direct hit to departure wharf for vessel loading. If "N" this is to be unloaded at terminal and GA14 is required to identify the terminal or staging area prior to vessel loading.			
	6　GA14 is the terminal or staging area name.			
	7　GA18 indicates whether a Canadian Wheat Board Performance car is involved.　If GA18 is equal to "Y", then this indicates a Performance Car is involved.　If GA18 is equal to "N" a Performance car is not involved.　The default value is "N" if absent.			
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

Ref. Des.	Data Element	Name		Attributes	
GA01	1275	**Fumigated/Cleaned Indicator**	O	1	ID 1/1
		Code indicating whether product has been fumigated and/or cleaned			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
GA02	22	**Commodity Code**	O	1	AN 1/30
		Code describing a commodity or group of commodities			
GA03	1576	**Inspected/Weighed Indicator Code**	O	1	ID 1/2
		Code indicating whether product has been inspected and/or weighed			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
GA04	128	**Reference Identification Qualifier**	X	1	ID 2/3
		Code qualifying the Reference Identification			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
GA05	127	**Reference Identification**	X	1	AN 1/50
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
GA06	642	**Week**	O	1	N0 6/6
		Week expressed as year/week (CCYYWW), where week is a number between 01 and 53 inclusive			
GA07	899	**Unload Terminal Elevator Code**	O	1	ID 3/4
		Code specifying the unloading terminal elevator at grain exporting terminals			
GA08	373	**Date**	O	1	DT 8/8
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
GA09	1470	**Number**	O	1	N0 1/9
		A generic number			
GA10	1276	**Machine Separable Indicator Code**	O	1	ID 2/2
		Canadian Grain Commission grain code identifying the type of grain that must			

be separated

GA11	**1277**	**Canadian Wheat Board (CWB) Marketing Class Code**	O	1	ID 1/1

Code identifying the Canadian Wheat Board market class of the grain

Refer to 005010 Data Element Dictionary for acceptable code values.

GA12	**1278**	**Canadian Wheat Board (CWB) Marketing Class Type Code**	O	1	ID 1/1

Code identifying Canadian Wheat Board market class type

Refer to 005010 Data Element Dictionary for acceptable code values.

GA13	**1073**	**Yes/No Condition or Response Code**	O	1	ID 1/1

Code indicating a Yes or No condition or response

Refer to 005010 Data Element Dictionary for acceptable code values.

GA14	**310**	**Location Identifier**	X	1	AN 1/30

Code which identifies a specific location

GA15	**156**	**State or Province Code**	X	1	ID 2/2

Code (Standard State/Province) as defined by appropriate government agency

GA16	**1004**	**Percent Qualifier**	X	1	ID 1/2

Code to qualify percent

Refer to 005010 Data Element Dictionary for acceptable code values.

GA17	**954**	**Percentage as Decimal**	X	1	R 1/10

Percentage expressed as a decimal (e.g., 0.0 through 1.0 represents 0% through 100%)

GA18	**1073**	**Yes/No Condition or Response Code**	O	1	ID 1/1

Code indicating a Yes or No condition or response

Refer to 005010 Data Element Dictionary for acceptable code values.

		Segment:	**REF** Reference Information

Segment: **REF** Reference Information
Position: 1770
Loop: REF   Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To specify identifying information
Syntax Notes: 1   At least one of REF02 or REF03 is required.
                  2   If either C04003 or C04004 is present, then the other is required.
                  3   If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1   REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

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

Segment:	**N10** Quantity and Description
Position:	1780
Loop:	REF Optional
Level:	
Usage:	Optional
Max Use:	15
Purpose:	To indicate line item quantity, description, marks and numbers, commodity code, weight, and customs value
Syntax Notes:	1 If either N1004 or N1005 is present, then the other is required.
	2 If either N1006 or N1013 is present, then the other is required.
	3 If either N1007 or N1008 is present, then the other is required.
Semantic Notes:	1 N1009 is the U.S. Customs bar code number for line release.
	2 N1011 is the country of the manufacturer of the goods.
	3 N1012 is the country of the final destination of the goods.
	4 N1013 is the currency of the value of N1006.
Comments:	

Data Element Summary

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

	Segment:	**N1** Party Identification
	Position:	1790
	Loop:	N1 Optional
	Level:	
	Usage:	Optional
	Max Use:	1
	Purpose:	To identify a party by type of organization, name, and code
	Syntax Notes:	1 At least one of N102 or N103 is required.
		2 If either N103 or N104 is present, then the other is required.
	Semantic Notes:	
	Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
		2 N105 and N106 further define the type of entity in N101.

Data Element Summary

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

Segment: **N3** Party Location
Position: 1800
Loop: N1   Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment: # N4 Geographic Location

Position:	1820
Loop:	N1 Optional
Level:	
Usage:	Optional
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 Only one of N402 or N407 may be present.
	2 If N406 is present, then N405 is required.
	3 If N407 is present, then N404 is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

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

Segment: # NA Cross-Reference Equipment

Position: 1850
Loop:
Level:
Usage: Optional
Max Use: 10
Purpose: To cross-reference additional equipment to a primary piece of equipment
Syntax Notes: 1 If NA01 is present, then NA02 is required.
Semantic Notes: 1 NA07 is the owner's Standard Carrier Alpha Code (SCAC) code.
    2 NA11 indicates the equipment damage status. A "Y" indicates equipment is damaged; an "N" indicates equipment is not damaged.
    3 NA12 is the check digit for the equipment number in NA04.
Comments: 1 NA03 contains the equipment initial of an associated shipment and is required by rail. If unknown, use NONZ for van or NONU for container.
    2 NA04 contains the equipment number of an associated shipment.
    3 NA09 is the Standard Carrier Alpha Code (SCAC) code of the operator of the equipment.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
	NA01	128	**Reference Identification Qualifier**	O	1	ID 2/3
			Code qualifying the Reference Identification			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	NA02	127	**Reference Identification**	X	1	AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
M	NA03	206	**Equipment Initial**	M	1	AN 1/4
			Prefix or alphabetic part of an equipment unit's identifying number			
M	NA04	207	**Equipment Number**	M	1	AN 1/15
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)			
	NA05	231	**Cross Reference Type Code**	O	1	ID 1/1
			Code defining relationship of equipment to equipment cross-referenced			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	NA06	219	**Position**	O	1	AN 1/3
			Relative position of shipment in car, trailer, or container (mutually defined)			
	NA07	140	**Standard Carrier Alpha Code**	O	1	ID 2/4
			Standard Carrier Alpha Code			
	NA08	567	**Equipment Length**	O	1	N0 4/5
			Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)			
	NA09	140	**Standard Carrier Alpha Code**	O	1	ID 2/4
			Standard Carrier Alpha Code			
	NA10	845	**Chassis Type**	O	1	ID 2/2
			Code identifying type of chassis			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	NA11	1073	**Yes/No Condition or Response Code**	O	1	ID 1/1
			Code indicating a Yes or No condition or response			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	NA12	761	**Equipment Number Check Digit**	O	1	N0 1/1
			Number which designates the check digit applied to a piece of equipment			

	Segment:	**F9** Origin Station
	Position:	1900
	Loop:	
	Level:	
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To identify the rail origin of the shipment
	Syntax Notes:	
	Semantic Notes:	

Semantic Notes:

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

Comments:

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

Data Element Summary

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

	Segment:	**D9** Destination Station
	Position:	2000
	Loop:	
	Level:	
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To identify the rail destination of the shipment
	Syntax Notes:	
	Semantic Notes:	**1** D902 is the destination station of movement.
		2 D904 is the country code for the city named in the D902.
		3 D905 is the freight station accounting code of the destination junction settlement carrier.
		4 D908 is the Standard Point Location Code (SPLC) for the city named in the D902.
		5 D909 is the postal code for the city names in the D902.
		6 D910 is the Standard Point Location Code (SPLC) for the city named in the D906.
		7 D911 is the postal code for the city named in the D906.
		8 D912 is the country code for the city named in the D906.
	Comments:	**1** D905 is the freight station accounting code of the city name in D906.

Data Element Summary

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

| | | | Segment: | **N1** Party Identification |

Segment: **N1** Party Identification
Position: 2100
Loop: N1   Mandatory
Level:
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1   At least one of N102 or N103 is required.
            2   If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1   This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
            2   N105 and N106 further define the type of entity in N101.

Data Element Summary

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

Segment: # N2 Additional Name Information
Position: 2150
Loop: N1   Mandatory
Level:
Usage: Optional
Max Use: 2
Purpose: To specify additional names
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment: **N3** Party Location
Position: 2200
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

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

Segment: **N4** Geographic Location
Position: 2300
Loop: N1   Mandatory
Level:
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1   Only one of N402 or N407 may be present.
               2   If N406 is present, then N405 is required.
               3   If N407 is present, then N404 is required.
Semantic Notes:
Comments: 1   A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
               2   N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

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

	Segment:	**REF** Reference Information

Segment: **REF** Reference Information
Position: 2350
Loop: N1   Mandatory
Level:
Usage: Optional
Max Use: 2
Purpose: To specify identifying information
Syntax Notes: 1   At least one of REF02 or REF03 is required.
           2   If either C04003 or C04004 is present, then the other is required.
           3   If either C04005 or C04006 is present, then the other is required.
Semantic Notes: 1   REF04 contains data relating to the value cited in REF02.
Comments:

<div align="center">

Data Element Summary

</div>

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

	Segment:	**PER** Administrative Communications Contact

Segment: **PER** Administrative Communications Contact
Position: 2400
Loop: N1   Mandatory
Level:
Usage: Optional
Max Use: 2
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes: **1**   If either PER03 or PER04 is present, then the other is required.
        2   If either PER05 or PER06 is present, then the other is required.
        3   If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

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

	Segment:	**BL** Billing Information				
	Position:	2520				
	Loop:	N1 Mandatory				
	Level:					
	Usage:	Optional				
	Max Use:	12				
	Purpose:	To identify the individual billing segments within a movement when joint rail rates have been established between carriers but do not cover the entire movement				

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

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

Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	BL01	747	**Rebill Reason Code**	M	1	ID 2/2
			Code identifying reason for rebill			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	BL02	573	**Freight Station Accounting Code**	X	1	ID 1/5
			Code (Freight Station Accounting) (AAR Managed Code for Locations)			
	BL03	573	**Freight Station Accounting Code**	X	1	ID 1/5
			Code (Freight Station Accounting) (AAR Managed Code for Locations)			
	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			
	BL05	19	**City Name**	X	1	AN 2/30
			Free-form text for city name			
	BL06	156	**State or Province Code**	O	1	ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency			
	BL07	26	**Country Code**	O	1	ID 2/3
			Code identifying the country			
	BL08	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			
	BL09	19	**City Name**	X	1	AN 2/30
			Free-form text for city name			
	BL10	156	**State or Province Code**	O	1	ID 2/2

Code (Standard State/Province) as defined by appropriate government agency

BL11	**26**	**Country Code**	**O**	**1**	**ID 2/3**
		Code identifying the country			
BL12	**140**	**Standard Carrier Alpha Code**	**O**	**1**	**ID 2/4**
		Standard Carrier Alpha Code			
BL13	**140**	**Standard Carrier Alpha Code**	**O**	**1**	**ID 2/4**
		Standard Carrier Alpha Code			
BL14	**140**	**Standard Carrier Alpha Code**	**O**	**1**	**ID 2/4**
		Standard Carrier Alpha Code			
BL15	**140**	**Standard Carrier Alpha Code**	**O**	**1**	**ID 2/4**
		Standard Carrier Alpha Code			
BL16	**140**	**Standard Carrier Alpha Code**	**O**	**1**	**ID 2/4**
		Standard Carrier Alpha Code			
BL17	**140**	**Standard Carrier Alpha Code**	**O**	**1**	**ID 2/4**
		Standard Carrier Alpha Code			

			Segment:	**S1** Stop-off Name			

Segment: **S1** Stop-off Name
Position: 4300
Loop: S1 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To identify a stop-off party
Syntax Notes: 1 If either S103 or S104 is present, then the other is required.
Semantic Notes: 1 S105 will contain the railroad initial responsible for this stop.
Comments:

Data Element Summary

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

Segment: **S2** **Stop-off Address**
Position: 4400
Loop: S1 Optional
Level:
Usage: Optional
Max Use: 2
Purpose: To specify the address of the stop-off party
Syntax Notes:
Semantic Notes:
Comments: 1 S201 contains the same stop sequence number used on a corresponding S1 Segment.

Data Element Summary

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

	Segment:	**S9** **Stop-off Station**
	Position:	4480
	Loop:	S1 Optional
	Level:	
	Usage:	Optional
	Max Use:	1
	Purpose:	To specify location details for a stop-off
	Syntax Notes:	1 If either S907 or S908 is present, then the other is required.
	Semantic Notes:	
	Comments:	1 S901 contains the same number used on a corresponding S1 Segment.

Data Element Summary

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

Segment: **N1** Party Identification
Position: 4490
Loop: S1 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2 N105 and N106 further define the type of entity in N101.

Data Element Summary

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

Segment: **N2** **Additional Name Information**
Position: 4500
Loop: S1   Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To specify additional names
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment: **N3** Party Location
Position: 4510
Loop: S1   Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment: **N4** Geographic Location
Position: 4520
Loop: S1   Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1   Only one of N402 or N407 may be present.
2   If N406 is present, then N405 is required.
3   If N407 is present, then N404 is required.
Semantic Notes:
Comments: 1   A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2   N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

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

Segment:	**PER** Administrative Communications Contact			
Position:	4530			
Loop:	S1	Optional		
Level:				
Usage:	Optional			
Max Use:	1			
Purpose:	To identify a person or office to whom administrative communications should be directed			
Syntax Notes:	1	If either PER03 or PER04 is present, then the other is required.		
	2	If either PER05 or PER06 is present, then the other is required.		
	3	If either PER07 or PER08 is present, then the other is required.		
Semantic Notes:				
Comments:				

Data Element Summary

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

Segment:	**R2** Route Information					

Segment: **R2** Route Information
Position: 4600
Loop:
Level:
Usage: Optional
Max Use: 13
Purpose: To specify carrier and routing sequences and details
Syntax Notes: 1 If R208 is present, then R207 is required.
Semantic Notes: 1 R203 is the station or city name at which carriers interchange shipments.
 2 R210 is the billing date.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	R201	140	**Standard Carrier Alpha Code**	M	1	ID 2/4
			Standard Carrier Alpha Code			
M	R202	133	**Routing Sequence Code**	M	1	ID 1/2
			Code describing the relationship of a carrier to a specific shipment movement			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	R203	19	**City Name**	O	1	AN 2/30
			Free-form text for city name			
	R204	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			
	R205	177	**Intermodal Service Code**	O	1	ID 1/2
			Code identifying the Intermodal Service Plan			
	R206	91	**Transportation Method/Type Code**	O	1	ID 1/2
			Code specifying the method or type of transportation for the shipment			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	R207	296	**Intermediate Switch Carrier**	X	1	ID 2/4
			Code defining a road which neither originates nor terminates the shipment but provides a switching service between two roadhaul rail carriers (SCAC code for rail switch carrier)			
	R208	296	**Intermediate Switch Carrier**	O	1	ID 2/4
			Code defining a road which neither originates nor terminates the shipment but provides a switching service between two roadhaul rail carriers (SCAC code for rail switch carrier)			
	R209	76	**Invoice Number**	O	1	AN 1/22
			Identifying number assigned by issuer			
	R210	373	**Date**	O	1	DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
	R211	369	**Free-form Description**	O	1	AN 1/45
			Free-form descriptive text			
	R212	56	**Type of Service Code**	O	1	ID 2/2
			Code specifying extent of transportation service requested			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	R213	742	**Route Description**	O	1	AN 1/35
			Point to point routing description			

	Segment:	**R9** Route Code Identification
	Position:	4800
	Loop:	
	Level:	
	Usage:	Optional
	Max Use:	1
	Purpose:	To specify the route using a single code
	Syntax Notes:	1 If R909 is present, then R905 is required.
	Semantic Notes:	1 R904 is used to identify the Standard Carrier Alpha Code (SCAC) of the delivery switch carrier.
		2 R906 is the route source.
		3 If R907 is "Y", then this is a pricing (revenue) route. If "N", then this is an operating route.
		4 If R908 is "Y", then this is a local move. If "N", then this is an interline move.
		5 R909 is the new route code of the expired route code in R901. If used R905 must = "E"
	Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	R901	1	**Route Code**	M	1	AN 1/13
			Mutually defined route code			
	R902	192	**Agent/Shipper Routing Code**	O	1	ID 1/1
			Code identifying source of routing specification			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	R903	177	**Intermodal Service Code**	O	1	ID 1/2
			Code identifying the Intermodal Service Plan			
	R904	140	**Standard Carrier Alpha Code**	O	1	ID 2/4
			Standard Carrier Alpha Code			
	R905	306	**Action Code**	X	1	ID 1/2
			Code indicating type of action			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	R906	140	**Standard Carrier Alpha Code**	O	1	ID 2/4
			Standard Carrier Alpha Code			
	R907	1073	**Yes/No Condition or Response Code**	O	1	ID 1/1
			Code indicating a Yes or No condition or response			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	R908	1073	**Yes/No Condition or Response Code**	O	1	ID 1/1
			Code indicating a Yes or No condition or response			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	R909	1	**Route Code**	O	1	AN 1/13
			Mutually defined route code			

| | | | Segment: | **E1** Empty Car Disposition - Pended Destination Consignee |
| | |

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

Data Element Summary

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

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

Data Element Summary

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

Segment:		**E5** **Empty Car Disposition - Pended Destination Route**				

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

Data Element Summary

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

	Segment:	**PI** Price Authority Identification
	Position:	5110
	Loop:	E1 Optional
	Level:	
	Usage:	Optional
	Max Use:	1
	Purpose:	To communicate basis of pricing, such as contract number, quote number, or tariff number
	Syntax Notes:	
	Semantic Notes:	**1** PI07 is the price authority suffix for the contract.
		2 PI08 is the price authority item number.
		3 PI09 is the price authority supplement.
		4 PI10 is the price authority section number.
		5 PI11 is the price authority suffix for tariff.
		6 PI12 is the effective date.
		7 PI13 is the expiration date.
	Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	PI01	128	**Reference Identification Qualifier**	M	1	ID 2/3
			Code qualifying the Reference Identification			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
M	PI02	127	**Reference Identification**	M	1	AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
	PI03	436	**Primary Publication Authority Code**	O	1	ID 2/2
			Code indicating type of external reference			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	PI04	930	**Regulatory Agency Code**	O	1	ID 3/5
			Code relating to the regulatory agency governing the price reference			
	PI05	168	**Tariff Agency Code**	O	1	ID 1/4
			Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment			
	PI06	965	**Issuing Carrier Identifier**	O	1	AN 1/10
			Identification assigned by issuing carrier			
	PI07	660	**Contract Suffix**	O	1	AN 1/2
			Used to identify a type of contract			
	PI08	169	**Tariff Item Number**	O	1	AN 1/16
			Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment			
	PI09	173	**Tariff Supplement Identifier**	O	1	AN 1/4
			Identifier for the tariff supplement which contains the rate used			
	PI10	172	**Tariff Section Number**	O	1	AN 1/2
			Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff			
	PI11	660	**Contract Suffix**	O	1	AN 1/2
			Used to identify a type of contract			
	PI12	373	**Date**	O	1	DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
	PI13	373	**Date**	O	1	DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
	PI14	629	**Alternation Precedence Code**	O	1	ID 1/1

Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual carrier rules and procedures shall govern
Refer to 005010 Data Element Dictionary for acceptable code values.

PI15	**629**	**Alternation Precedence Code**	**O**	**1**	**ID 1/1**

Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual carrier rules and procedures shall govern
Refer to 005010 Data Element Dictionary for acceptable code values.

PI16	**284**	**Service Level Code**	**O**	**1**	**ID 2/2**

Code indicating the level of transportation service or the billing service offered by the transportation carrier
Refer to 005010 Data Element Dictionary for acceptable code values.

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

Data Element Summary

Ref. Des.	Data Element	Name		Attributes	
H301	**152**	**Special Handling Code**	X	1	ID 2/3
		Code specifying special transportation handling instructions			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
H302	**153**	**Special Handling Description**	X	1	AN 2/30
		Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate			
H303	**241**	**Protective Service Code**	O	1	ID 1/4
		Code specifying perishable protective service- rail carriers only			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
H304	**242**	**Vent Instruction Code**	O	1	ID 1/7
		Code specifying vent instructions			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
H305	**257**	**Tariff Application Code**	O	1	ID 1/1
		Code indicating to which traffic a tariff applies			
		Refer to 005010 Data Element Dictionary for acceptable code values.			

			Segment:	**PS** Protective Service Instructions

Segment: **PS** Protective Service Instructions
Position: 5300
Loop:
Level:
Usage: Optional
Max Use: 5
Purpose: To specify mechanical protective service and ventilation instructions
Syntax Notes: 1   If PS03 is present, then at least one of PS04 or PS14 is required.
    2   If PS04 is present, then PS03 is required.
    3   If PS14 is present, then PS03 is required.
Semantic Notes: 1   PS03 qualifies the temperature in PS04 and PS14.
    2   PS04 is the optimum allowable temperature condition for shipment.
    3   PS11 identifies the location of the heater. A "Y" indicates the heater is ceiling-mounted; an "N" indicates the heater is in the body.
    4   PS12 identifies whether or not the commodity is a food product. A "Y" indicates the commodity is a food product; an "N" indicates it is a non-food product.
    5   PS13 indicates the amount of doorway space for the full width of the car. A "Y" indicates the doorway space is not less than 30 inches for the full width of the car; an "N" indicates it is less than 30 inches.
    6   PS14 is the set temperature at service origin.
Comments: 1   PS05 through PS08 are used to specify the station to which the temperature applies. PS05 and PS06 are preferred over PS07 and PS08.
    2   PS09 is the weight of body ice in hundreds.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	PS01	746	**Protective Service Rule Code**	M	1	ID 3/9
			Association of American Railroads (AAR) Protective Service that applies to shipment			
M	PS02	241	**Protective Service Code**	M	1	ID 1/4
			Code specifying perishable protective service- rail carriers only			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	PS03	355	**Unit or Basis for Measurement Code**	X	1	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	PS04	408	**Temperature**	X	1	R 1/4
			Temperature			
	PS05	140	**Standard Carrier Alpha Code**	O	1	ID 2/4
			Standard Carrier Alpha Code			
	PS06	573	**Freight Station Accounting Code**	O	1	ID 1/5
			Code (Freight Station Accounting) (AAR Managed Code for Locations)			
	PS07	19	**City Name**	O	1	AN 2/30
			Free-form text for city name			
	PS08	156	**State or Province Code**	O	1	ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency			
	PS09	81	**Weight**	O	1	R 1/10
			Numeric value of weight			
	PS10	745	**Pre-Cooled (Rule 710) Code**	O	1	ID 1/1
			Code indicating whether or not the shipment was precooled per Association of American Railroads Protective Service Rule 710			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	PS11	1073	**Yes/No Condition or Response Code**	O	1	ID 1/1
			Code indicating a Yes or No condition or response			

Refer to 005010 Data Element Dictionary for acceptable code values.

PS12	**1073**	**Yes/No Condition or Response Code**	**O**	**1**	**ID 1/1**

Code indicating a Yes or No condition or response

Refer to 005010 Data Element Dictionary for acceptable code values.

PS13	**1073**	**Yes/No Condition or Response Code**	**O**	**1**	**ID 1/1**

Code indicating a Yes or No condition or response

Refer to 005010 Data Element Dictionary for acceptable code values.

PS14	**408**	**Temperature**	**X**	**1**	**R 1/4**

Temperature

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

Data Element Summary

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

Segment:	**L5** Description, Marks and Numbers			

Segment: **L5** Description, Marks and Numbers
Position: 5500
Loop: LX   Mandatory
Level:
Usage: Mandatory
Max Use: 15
Purpose: To specify the line item in terms of description, quantity, packaging, and marks and numbers
Syntax Notes:
    1   If either L503 or L504 is present, then the other is required.
    2   If L507 is present, then L506 is required.
    3   If either L508 or L509 is present, then the other is required.
Semantic Notes:
Comments:
    1   L502 may be used to send quantity information as part of the product description.

Data Element Summary

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

Segment:	**L0** Line Item - Quantity and Weight
Position:	5700
Loop:	L0 Optional
Level:	
Usage:	Optional
Max Use:	1
Purpose:	To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data
Syntax Notes:	1 If either L002 or L003 is present, then the other is required.
	2 If either L004 or L005 is present, then the other is required.
	3 If either L006 or L007 is present, then the other is required.
	4 If either L008 or L009 is present, then the other is required.
	5 If L011 is present, then L004 is required.
	6 If either L013 or L015 is present, then the other is required.
Semantic Notes:	1 L008 is the number of handling units of the line item tendered to the carrier.
	2 L013 can only be used if the code in L009 is PLT, SKD, or SLP.
	3 L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.
Comments:	1 L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.

Data Element Summary

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

| **L012** | **56** | **Type of Service Code** | **O** | **1** | **ID 2/2** |

Code specifying extent of transportation service requested

Refer to 005010 Data Element Dictionary for acceptable code values.

| **L013** | **380** | **Quantity** | **X** | **1** | **R 1/15** |

Numeric value of quantity

| **L014** | **211** | **Packaging Form Code** | **O** | **1** | **ID 3/3** |

Code for packaging form of the lading quantity

Refer to 005010 Data Element Dictionary for acceptable code values.

| **L015** | **1073** | **Yes/No Condition or Response Code** | **X** | **1** | **ID 1/1** |

Code indicating a Yes or No condition or response

Refer to 005010 Data Element Dictionary for acceptable code values.

		Segment:	**MEA** Measurements

Segment: **MEA** Measurements
Position: 5750
Loop: L0   Optional
Level:
Usage: Optional
Max Use: 3
Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights   (See Figures Appendix for example of use of C001)
Syntax Notes:
1.   At least one of MEA03 MEA05 MEA06 or MEA08 is required.
2.   Only one of MEA04 or MEA12 may be present.
3.   If MEA05 is present, then at least one of MEA04 or MEA12 is required.
4.   If MEA06 is present, then at least one of MEA04 or MEA12 is required.
5.   If MEA07 is present, then at least one of MEA03 MEA05 or MEA06 is required.
6.   Only one of MEA08 or MEA03 may be present.
7.   If either MEA11 or MEA12 is present, then the other is required.

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

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

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
	MEA01	737	**Measurement Reference ID Code**	O	1	ID 2/2
			Code identifying the broad category to which a measurement applies			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	MEA02	738	**Measurement Qualifier**	O	1	ID 1/3
			Code identifying a specific product or process characteristic to which a measurement applies			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	MEA03	739	**Measurement Value**	X	1	R 1/20
			The value of the measurement			
	MEA04	C001	**Composite Unit of Measure**	X	1	
			To identify a composite unit of measure (See Figures Appendix for examples of use)			
M	C00101	355	**Unit or Basis for Measurement Code**	M		ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	C00102	1018	**Exponent**	O		R 1/15
			Power to which a unit is raised			
	C00103	649	**Multiplier**	O		R 1/10
			Value to be used as a multiplier to obtain a new value			
	C00104	355	**Unit or Basis for Measurement Code**	O		ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	C00105	1018	**Exponent**	O		R 1/15
			Power to which a unit is raised			
	C00106	649	**Multiplier**	O		R 1/10
			Value to be used as a multiplier to obtain a new value			
	C00107	355	**Unit or Basis for Measurement Code**	O		ID 2/2

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Refer to 005010 Data Element Dictionary for acceptable code values.

| C00108 | 1018 | **Exponent** | O | | R 1/15 |

Power to which a unit is raised

| C00109 | 649 | **Multiplier** | O | | R 1/10 |

Value to be used as a multiplier to obtain a new value

| C00110 | 355 | **Unit or Basis for Measurement Code** | O | | ID 2/2 |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Refer to 005010 Data Element Dictionary for acceptable code values.

| C00111 | 1018 | **Exponent** | O | | R 1/15 |

Power to which a unit is raised

| C00112 | 649 | **Multiplier** | O | | R 1/10 |

Value to be used as a multiplier to obtain a new value

| C00113 | 355 | **Unit or Basis for Measurement Code** | O | | ID 2/2 |

Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
Refer to 005010 Data Element Dictionary for acceptable code values.

| C00114 | 1018 | **Exponent** | O | | R 1/15 |

Power to which a unit is raised

| C00115 | 649 | **Multiplier** | O | | R 1/10 |

Value to be used as a multiplier to obtain a new value

| MEA05 | 740 | **Range Minimum** | X | 1 | R 1/20 |

The value specifying the minimum of the measurement range

| MEA06 | 741 | **Range Maximum** | X | 1 | R 1/20 |

The value specifying the maximum of the measurement range

| MEA07 | 935 | **Measurement Significance Code** | O | 1 | ID 2/2 |

Code used to benchmark, qualify or further define a measurement value

Refer to 005010 Data Element Dictionary for acceptable code values.

| MEA08 | 936 | **Measurement Attribute Code** | X | 1 | ID 2/2 |

Code used to express an attribute response when a numeric measurement value cannot be determined
Refer to 005010 Data Element Dictionary for acceptable code values.

| MEA09 | 752 | **Surface/Layer/Position Code** | O | 1 | ID 2/2 |

Code indicating the product surface, layer or position that is being described

Refer to 005010 Data Element Dictionary for acceptable code values.

| MEA10 | 1373 | **Measurement Method or Device** | O | 1 | ID 2/4 |

The method or device used to record the measurement

Refer to 005010 Data Element Dictionary for acceptable code values.

| MEA11 | 1270 | **Code List Qualifier Code** | X | 1 | ID 1/3 |

Code identifying a specific industry code list

Refer to 005010 Data Element Dictionary for acceptable code values.

| MEA12 | 1271 | **Industry Code** | X | 1 | AN 1/30 |

Code indicating a code from a specific industry code list

Segment:	**L1** Rate and Charges
Position:	5800
Loop:	L0 Optional
Level:	
Usage:	Optional
Max Use:	10
Purpose:	To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

Syntax Notes:
1. If either L102 or L103 is present, then the other is required.
2. At least one of L104 L105 or L106 is required.
3. If either L114 or L115 is present, then the other is required.
4. If either L117 or L118 is present, then the other is required.

Semantic Notes:
1. L119 is the percent used to determine the charge in L104.
2. L120, if used, indicates the currency for all monetary amounts in this L1 segment.
3. L121 is the origin rated as charge amount.

Comments:

Data Element Summary

Ref. Des.	Data Element	Name		Attributes	
L101	213	Lading Line Item Number	O	1	N0 1/3
		Sequential line number for a lading item			
L102	60	Freight Rate	X	1	R 1/9
		Rate that applies to the specific commodity			
L103	122	Rate/Value Qualifier	X	1	ID 2/2
		Code qualifying how to extend charges or interpret value			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
L104	58	Amount Charged	X	1	N2 1/15
		For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified			
L105	191	Advances	X	1	N2 1/9
		Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified			
L106	117	Prepaid Amount	X	1	N2 1/15
		Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified			
L107	120	Rate Combination Point Code	O	1	AN 3/9
		The code denoting the connecting station for a joint rate obtained by combining two or more published rates which are used for the calculation of transportation charges			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
L108	150	Special Charge or Allowance Code	O	1	ID 3/3
		Code identifying type of special charge or allowance			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
L109	121	Rate Class Code	O	1	ID 1/3
		Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
L110	39	Entitlement Code	O	1	ID 1/1
		Code identifying entitlement party			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
L111	16	Charge Method of Payment	O	1	ID 1/1
		Code defining method of payment			

Refer to 005010 Data Element Dictionary for acceptable code values.

| L112 | 276 | **Special Charge Description** | O | 1 | AN 2/25 |

Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150

| L113 | 257 | **Tariff Application Code** | O | 1 | ID 1/1 |

Code indicating to which traffic a tariff applies

Refer to 005010 Data Element Dictionary for acceptable code values.

| L114 | 74 | **Declared Value** | X | 1 | N2 2/12 |

Monetary assigned value expressed in the standard monetary denomination for the currency specified

| L115 | 122 | **Rate/Value Qualifier** | X | 1 | ID 2/2 |

Code qualifying how to extend charges or interpret value

Refer to 005010 Data Element Dictionary for acceptable code values.

| L116 | 372 | **Lading Liability Code** | O | 1 | ID 1/1 |

Code identifying limits of liability

Refer to 005010 Data Element Dictionary for acceptable code values.

| L117 | 220 | **Billed/Rated-as Quantity** | X | 1 | R 1/11 |

Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81

| L118 | 221 | **Billed/Rated-as Qualifier** | X | 1 | ID 2/2 |

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

Refer to 005010 Data Element Dictionary for acceptable code values.

| L119 | 954 | **Percentage as Decimal** | O | 1 | R 1/10 |

Percentage expressed as a decimal (e.g., 0.0 through 1.0 represents 0% through 100%)

| L120 | 100 | **Currency Code** | O | 1 | ID 3/3 |

Code (Standard ISO) for country in whose currency the charges are specified

| L121 | 610 | **Amount** | O | 1 | N2 1/15 |

Monetary amount

| L122 | 148 | **Lading Value** | O | 1 | R 2/9 |

Value of shipment for export, expressed in the standard monetary denomination for the currency specified

Segment:	**PI** Price Authority Identification				
Position:	5900				
Loop:	L0	Optional			
Level:					
Usage:	Optional				
Max Use:	30				
Purpose:	To communicate basis of pricing, such as contract number, quote number, or tariff number				
Syntax Notes:					
Semantic Notes:	**1**	PI07 is the price authority suffix for the contract.			
	2	PI08 is the price authority item number.			
	3	PI09 is the price authority supplement.			
	4	PI10 is the price authority section number.			
	5	PI11 is the price authority suffix for tariff.			
	6	PI12 is the effective date.			
	7	PI13 is the expiration date.			
Comments:					

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	PI01	128	**Reference Identification Qualifier**	M	1	ID 2/3
			Code qualifying the Reference Identification			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
M	PI02	127	**Reference Identification**	M	1	AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
	PI03	436	**Primary Publication Authority Code**	O	1	ID 2/2
			Code indicating type of external reference			
			Refer to 005010 Data Element Dictionary for acceptable code values.			
	PI04	930	**Regulatory Agency Code**	O	1	ID 3/5
			Code relating to the regulatory agency governing the price reference			
	PI05	168	**Tariff Agency Code**	O	1	ID 1/4
			Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment			
	PI06	965	**Issuing Carrier Identifier**	O	1	AN 1/10
			Identification assigned by issuing carrier			
	PI07	660	**Contract Suffix**	O	1	AN 1/2
			Used to identify a type of contract			
	PI08	169	**Tariff Item Number**	O	1	AN 1/16
			Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment			
	PI09	173	**Tariff Supplement Identifier**	O	1	AN 1/4
			Identifier for the tariff supplement which contains the rate used			
	PI10	172	**Tariff Section Number**	O	1	AN 1/2
			Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff			
	PI11	660	**Contract Suffix**	O	1	AN 1/2
			Used to identify a type of contract			
	PI12	373	**Date**	O	1	DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
	PI13	373	**Date**	O	1	DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
	PI14	629	**Alternation Precedence Code**	O	1	ID 1/1

Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual carrier rules and procedures shall govern
Refer to 005010 Data Element Dictionary for acceptable code values.

| | PI15 | 629 | **Alternation Precedence Code** | **O** | **1** | **ID 1/1** |

Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual carrier rules and procedures shall govern
Refer to 005010 Data Element Dictionary for acceptable code values.

| | PI16 | 284 | **Service Level Code** | **O** | **1** | **ID 2/2** |

Code indicating the level of transportation service or the billing service offered by the transportation carrier
Refer to 005010 Data Element Dictionary for acceptable code values.

Segment:	**X1** Export License			
Position:	6000			
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. Des.	Data Element	Name	Attributes		
X101	83	**Code For Licensing, Certification, Registration, or Accreditation Agency**	O	1	ID 1/2
		Code identifying a licensing, certification, registration, or accreditation agency.			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
X102	50	**Export License Number**	O	1	AN 6/35
		Government assigned identification number for exporter			
X103	51	**Export License Status Code**	O	1	ID 1/1
		Code defining whether the shipment completes the terms of the license, or the shipment is only a partial delivery relative to the license terms			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
X104	373	**Date**	O	1	DT 8/8
		Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
X105	52	**Export License Symbol Code**	O	1	ID 1/2
		Code which specifies the export symbol marked on a shipment			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
X106	48	**Export License Control Code**	O	1	ID 1/1
		Code indicating the type of control applicable to the export license			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
X107	26	**Country Code**	O	1	ID 2/3
		Code identifying the country			
X108	141	**Schedule B Code**	O	1	ID 7/10
		Code identifying commodity number established for international statistical purposes			
X109	210	**International/Domestic Code**	O	1	ID 1/1
		Code indicating international or domestic shipment			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
X110	80	**Lading Quantity**	O	1	N0 1/7
		Number of units (pieces) of the lading commodity			
X111	148	**Lading Value**	O	1	R 2/9
		Value of shipment for export, expressed in the standard monetary denomination for the currency specified			
X112	47	**Export Filing Key Code**	O	1	ID 1/1
		Code indicating the type of communications with customs			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
X113	355	**Unit or Basis for Measurement Code**	O	1	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in			

which a measurement has been taken
Refer to 005010 Data Element Dictionary for acceptable code values.

X114	**212**	**Unit Price**	**O**	**1**	**R 1/17**

Price per unit of product, service, commodity, etc.

X115	**1306**	**U.S. Government License Type**	**O**	**1**	**AN 1/1**

Code to identify the type of government license involved

X116	**67**	**Identification Code**	**O**	**1**	**AN 2/80**

Code identifying a party or other code

X117	**310**	**Location Identifier**	**O**	**1**	**AN 1/30**

Code which identifies a specific location

	Segment:	**T1** Transit Inbound Origin
	Position:	6100
	Loop:	T1 Optional
	Level:	
	Usage:	Optional
	Max Use:	1
	Purpose:	To specify origin point and waybill references of movement to transit waybill point
	Syntax Notes:	1 If either T105 or T106 is present, then the other is required.
		2 If either T110 or T111 is present, then the other is required.
	Semantic Notes:	1 Related T1, T2, and T3 segments have the same transit sequence number value in the first data element.
		2 T102 will contain the inbound shipment waybill numbers.
		3 T103 will contain the inbound shipment waybill date.
		4 T104 is the Standard Carrier Alpha Code (SCAC) of the origin carrier.
		5 T105 is the origin station for movement.
		6 T110 and T111 are used on local transit only, to convey the previous Inbound Transit Bill of Lading Number or Shipment Identification Number.
	Comments:	

Data Element Summary

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

Segment: **T2** **Transit Inbound Lading**
Position: 6200
Loop: T1   Optional
Level:
Usage: Optional
Max Use: 30
Purpose: To specify lading description, including weight and rate details applying to the associated T1 segment
Syntax Notes: 1   If either T205 or T206 is present, then the other is required.
     2   If either T207 or T208 is present, then the other is required.
Semantic Notes: 1   T203 is the transit portion weight from inbound movement.
     2   In T209, "City" is used for the combination through-rate city.
     3   In T210, "City" is used for the combination paid-in city.
Comments: 1   Related T1, T2, and T3 segments have the same transit sequence number value in the first data element.
     2   T205 is the through-freight-rate that applies to the shipment from the point of origin inland movement to the point of destination of the current movement.
     3   T207 is the paid-in-rate basis of the paid-in portion of the shipment.

Data Element Summary

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

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

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

Position:	6300
Loop:	T1 Optional
Level:	
Usage:	Optional
Max Use:	12
Purpose:	To specify transit inbound routing, including equipment identifications for associated T1 and T2 segments
Syntax Notes:	1 If either T306 or T307 is present, then the other is required.
Semantic Notes:	1 T306 will contain the equipment initial of the inbound car.
	2 T307 will contain the equipment number of the inbound car.
Comments:	1 Related T1, T2, and T3 segments have the same transit sequence number value in the first data element.
	2 T304 is the station or city name at which carriers interchange shipments. T304 will contain the Association of American Railroads (AAR) Accounting Rule 260 junction rule.

Data Element Summary

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

			Segment:	**T6** **Transit Inbound Rates**

Segment: **T6** **Transit Inbound Rates**

Position: 6400

Loop: T1   Optional

Level:

Usage: Optional

Max Use: 1

Purpose: To identify the transit inbound prior origin point and waybill reference of movement to the point specified in T1 segment

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

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

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

Data Element Summary

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

Segment:		**T8** Free-form Transit Data				
Position:		6500				
Loop:		T1	Optional			
Level:						
Usage:		Optional				
Max Use:		99				
Purpose:		To transmit information in a free-form format relating to a specified transit sequence number				
Syntax Notes:						
Semantic Notes:						
Comments:		**1**	T801 must contain the same transit sequence number that is on the corresponding T1.			

Data Element Summary

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

Segment:	**L3** Total Weight and Charges
Position:	6600
Loop:	
Level:	
Usage:	Optional
Max Use:	1
Purpose:	To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items
Syntax Notes:	1 If either L301 or L302 is present, then the other is required.
	2 If either L303 or L304 is present, then the other is required.
	3 If either L309 or L310 is present, then the other is required.
	4 If L312 is present, then L301 is required.
	5 If either L314 or L315 is present, then the other is required.
Semantic Notes:	1 L305 is the total charges.
Comments:	

Data Element Summary

Ref. Des.	Data Element	Name		Attributes	
L301	81	**Weight**	X	1	R 1/10
		Numeric value of weight			
L302	187	**Weight Qualifier**	X	1	ID 1/2
		Code defining the type of weight			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
L303	60	**Freight Rate**	X	1	R 1/9
		Rate that applies to the specific commodity			
L304	122	**Rate/Value Qualifier**	X	1	ID 2/2
		Code qualifying how to extend charges or interpret value			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
L305	58	**Amount Charged**	O	1	N2 1/15
		For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified			
L306	191	**Advances**	O	1	N2 1/9
		Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified			
L307	117	**Prepaid Amount**	O	1	N2 1/15
		Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified			
L308	150	**Special Charge or Allowance Code**	O	1	ID 3/3
		Code identifying type of special charge or allowance			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
L309	183	**Volume**	X	1	R 1/8
		Value of volumetric measure			
L310	184	**Volume Unit Qualifier**	X	1	ID 1/1
		Code identifying the volume unit			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
L311	80	**Lading Quantity**	O	1	N0 1/7
		Number of units (pieces) of the lading commodity			
L312	188	**Weight Unit Code**	O	1	ID 1/1
		Code specifying the weight unit			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
L313	171	**Tariff Number**	O	1	AN 1/7

Standard tariff number for the tariff which governs the rates applied to the commodity item(s)

| L314 | 74 | **Declared Value** | X | 1 | **N2 2/12** |

Monetary assigned value expressed in the standard monetary denomination for the currency specified

| L315 | 122 | **Rate/Value Qualifier** | X | 1 | **ID 2/2** |

Code qualifying how to extend charges or interpret value

Refer to 005010 Data Element Dictionary for acceptable code values.

Segment:	**LS** Loop Header			
Position:	6700			
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

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

	Ref. Des.	**Data Element**	**Name**	**Attributes**

Segment: **LH1** Hazardous Identification Information
Position: 6800
Loop: LH1 Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To specify the hazardous commodity identification reference number and quantity
Syntax Notes:
Semantic Notes:
Comments: 1 LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.
2 LH106 and LH107 are used to convey the quantity or volume and unit of measure for shipments.
3 In LH109, a value of "R" or "P" requires that the receiver generate the words "residue: last contained" prior to the shipping name in accordance with regulations.

Data Element Summary

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

Segment:	**LH2** Hazardous Classification Information
Position:	6900
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

Ref. Des.	Data Element	Name		Attributes	
LH201	215	**Hazardous Classification**	O	1	ID 1/30
		The hazardous classification corresponding to the shipping name of the hazardous commodity			
LH202	983	**Hazardous Class Qualifier**	O	1	ID 1/1
		Code qualifying hazardous class			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
LH203	218	**Hazardous Placard Notation**	O	1	ID 14/40
		The placard notation corresponding to the hazard class of the hazardous commodity			
LH204	222	**Hazardous Endorsement**	O	1	ID 4/25
		The placard endorsement that is to be shown on the shipping papers for the hazardous commodity			
LH205	759	**Reportable Quantity Code**	O	1	ID 2/2
		Code to identify presence of hazardous substance			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
LH206	355	**Unit or Basis for Measurement Code**	X	1	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
LH207	408	**Temperature**	X	1	R 1/4
		Temperature			
LH208	355	**Unit or Basis for Measurement Code**	X	1	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
LH209	408	**Temperature**	X	1	R 1/4
		Temperature			
LH210	355	**Unit or Basis for Measurement Code**	X	1	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
LH211	408	**Temperature**	X	1	R 1/4
		Temperature			
LH212	188	**Weight Unit Code**	X	1	ID 1/1
		Code specifying the weight unit			

Refer to 005010 Data Element Dictionary for acceptable code values.

LH213   **267**   **Net Explosive Quantity**   **X**   **1   N0 1/10**
Net weight of the explosive quantity of the hazardous commodity

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

Segment: **LH3** Hazardous Material Shipping Name Information
Position: 7000
Loop: LH1 Optional
Level:
Usage: Optional
Max Use: 10
Purpose: To specify the hazardous material shipping name and additional descriptive requirements
Syntax Notes: 1 If either LH301 or LH302 is present, then the other is required.
Semantic Notes: 1 If LH304 is "Y", then this is an Association of American Railroads Operations and Transportation Bulletin 55 commodity. If "N", it is not an Association of American Railroads Operations and Transportation Bulletin 55 commodity.
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
LH301	224	**Hazardous Material Shipping Name**	X	1	AN 1/25

The proper shipping name of the hazardous commodity as specified by Title 49 Code of Federal Regulations, or the shipping name of the dangerous good as defined in the Canadian Transportation of Dangerous Goods Act and Regulations, or the international regulations as promulgated by the United Nations

Ref. Des.	Data Element	Name	Attributes		
LH302	984	**Hazardous Material Shipping Name Qualifier**	X	1	ID 1/1

Qualifier indicating the source (regulatory) of the proper shipping name

Refer to 005010 Data Element Dictionary for acceptable code values.

Ref. Des.	Data Element	Name	Attributes		
LH303	985	**N.O.S. Indicator Code**	O	1	ID 3/3

Code indicating the type of regulatory requirements that apply to a description; N.O.S. stands for Not Otherwise Specified
Refer to 005010 Data Element Dictionary for acceptable code values.

Ref. Des.	Data Element	Name	Attributes		
LH304	1073	**Yes/No Condition or Response Code**	O	1	ID 1/1

Code indicating a Yes or No condition or response

Refer to 005010 Data Element Dictionary for acceptable code values.

			Segment:	**LFH** Free-form Hazardous Material Information

Segment: **LFH** Free-form Hazardous Material Information
Position: 7100
Loop: LH1   Optional
Level:
Usage: Optional
Max Use: 20
Purpose: To uniquely identify the variable information required by government regulation covering the transportation of hazardous material shipments
Syntax Notes: 1   If either LFH05 or LFH06 is present, then the other is required.
Semantic Notes: 1   LFH06 indicates activity of the radioactive material.
    2   LFH07 indicates transport index of the radioactive material.
    3   LFH08 is the date fumigation began.
Comments:

Data Element Summary

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

Segment:	**LEP** EPA Required Data
Position:	7200
Loop:	LH1 Optional
Level:	
Usage:	Optional
Max Use:	3
Purpose:	To specify the Environmental Protection Agency (EPA) information relating to shipments of hazardous material
Syntax Notes:	1 If either LEP03 or LEP04 is present, then the other is required.
Semantic Notes:	1 LEP03 is used to identify the state or province responsible for the hazardous waste number contained in LEP04.
	2 LEP04 is the hazardous waste number.
Comments:	

Data Element Summary

Ref. Des.	Data Element	Name		Attributes	
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			
LEP02	**807**	**Waste Characteristics Code**	O	1	ID 12/16
		Waste characteristics as defined by regulatory requirements			
LEP03	**156**	**State or Province Code**	X	1	ID 2/2
		Code (Standard State/Province) as defined by appropriate government agency			
LEP04	**127**	**Reference Identification**	X	1	AN 1/50
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

Segment: **LH4** Canadian Dangerous Requirements

Position:	7300
Loop:	LH1 Optional
Level:	
Usage:	Optional
Max Use:	4
Purpose:	To specify additional Transport Canada requirements covering transportation of dangerous goods in Canada
Syntax Notes:	1 If either LH401 or LH402 is present, then the other is required.
	2 If either LH408 or LH412 is present, then the other is required.
Semantic Notes:	1 LH411 is an additional telephone number.
Comments:	1 LH402 is used for the emergency response plan telephone number.
	2 LH404 is for the first subsidiary classification.
	3 LH405 is for the second subsidiary classification.
	4 LH406 is for the third subsidiary classification.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
LH401	238	**Emergency Response Plan Number**	X	1	AN 1/12
		The identity number of a specific hazardous emergency response plan that is assigned by the Director General of Canada			
LH402	364	**Communication Number**	X	1	AN 1/256
		Complete communications number including country or area code when applicable			
LH403	254	**Packing Group Code**	O	1	ID 1/3
		Code indicating degree of danger in terms of Roman number I, II or III			
LH404	230	**Subsidiary Classification**	O	1	ID 1/3
		Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers			
LH405	230	**Subsidiary Classification**	O	1	ID 1/3
		Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers			
LH406	230	**Subsidiary Classification**	O	1	ID 1/3
		Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers			
LH407	271	**Subsidiary Risk Indicator**	O	1	ID 1/2
		Code identifying the type of subsidiary risk			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
LH408	267	**Net Explosive Quantity**	X	1	N0 1/10
		Net weight of the explosive quantity of the hazardous commodity			
LH409	805	**Canadian Hazardous Notation**	O	1	AN 1/25
		Notation required by Canadian regulatory agencies			
LH410	986	**Special Commodity Indicator Code**	O	1	ID 1/1
		Code indicating 'Special Commodity' notation on operational waybill as identified by the Transportation of Dangerous Goods Act and Regulation (TDG)			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
LH411	364	**Communication Number**	O	1	AN 1/256
		Complete communications number including country or area code when applicable			
LH412	355	**Unit or Basis for Measurement Code**	X	1	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		Refer to 005010 Data Element Dictionary for acceptable code values.			

Segment: **LHT** **Transborder Hazardous Requirements**
Position: 7400
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

Ref. Des.	Data Element	Name	Attributes			
LHT01	215	Hazardous Classification	O	1	ID	1/30

The hazardous classification corresponding to the shipping name of the hazardous commodity

Ref. Des.	Data Element	Name	Attributes			
LHT02	218	Hazardous Placard Notation	O	1	ID	14/40

The placard notation corresponding to the hazard class of the hazardous commodity

Ref. Des.	Data Element	Name	Attributes			
LHT03	222	Hazardous Endorsement	O	1	ID	4/25

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

	Segment:	**LHR** Hazardous Material Identifying Reference Numbers
	Position:	7500
	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

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

			Segment:	**PER** Administrative Communications Contact

Segment: **PER** Administrative Communications Contact
Position: 7550
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

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

Segment:	**N1** Party Identification
Position:	7560
Loop:	N1 Optional
Level:	
Usage:	Optional
Max Use:	1
Purpose:	To identify a party by type of organization, name, and code
Syntax Notes:	1 At least one of N102 or N103 is required.
	2 If either N103 or N104 is present, then the other is required.
Semantic Notes:	
Comments:	1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
	2 N105 and N106 further define the type of entity in N101.

Data Element Summary

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

Segment: **N3** Party Location
Position: 7570
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

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

Segment: **N4** Geographic Location
Position: 7580
Loop: N1   Optional
Level:
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1   Only one of N402 or N407 may be present.
    2   If N406 is present, then N405 is required.
    3   If N407 is present, then N404 is required.
Semantic Notes:
Comments: 1   A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
    2   N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

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

			Segment:	**PER** Administrative Communications Contact

Segment: **PER** Administrative Communications Contact
Position: 7590
Loop: N1   Optional
Level:
Usage: Optional
Max Use: 2
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes: **1**   If either PER03 or PER04 is present, then the other is required.
           2   If either PER05 or PER06 is present, then the other is required.
           3   If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

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

	Segment:	**LE** Loop Trailer

Segment: **LE** Loop Trailer
Position: 7600
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

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

			Segment:	**PER** Administrative Communications Contact				

Segment: **PER** Administrative Communications Contact
Position: 7700
Loop:
Level:
Usage: Optional
Max Use: 5
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes: **1**   If either PER03 or PER04 is present, then the other is required.
           2   If either PER05 or PER06 is present, then the other is required.
           3   If either PER07 or PER08 is present, then the other is required.
Semantic Notes:
Comments:

Data Element Summary

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

Segment:	**LH2** Hazardous Classification Information
Position:	7800
Loop:	
Level:	
Usage:	Optional
Max Use:	6
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

Ref. Des.	Data Element	Name	Attributes		
LH201	215	**Hazardous Classification**	O	1	ID 1/30
		The hazardous classification corresponding to the shipping name of the hazardous commodity			
LH202	983	**Hazardous Class Qualifier**	O	1	ID 1/1
		Code qualifying hazardous class			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
LH203	218	**Hazardous Placard Notation**	O	1	ID 14/40
		The placard notation corresponding to the hazard class of the hazardous commodity			
LH204	222	**Hazardous Endorsement**	O	1	ID 4/25
		The placard endorsement that is to be shown on the shipping papers for the hazardous commodity			
LH205	759	**Reportable Quantity Code**	O	1	ID 2/2
		Code to identify presence of hazardous substance			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
LH206	355	**Unit or Basis for Measurement Code**	X	1	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
LH207	408	**Temperature**	X	1	R 1/4
		Temperature			
LH208	355	**Unit or Basis for Measurement Code**	X	1	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
LH209	408	**Temperature**	X	1	R 1/4
		Temperature			
LH210	355	**Unit or Basis for Measurement Code**	X	1	ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
LH211	408	**Temperature**	X	1	R 1/4
		Temperature			
LH212	188	**Weight Unit Code**	X	1	ID 1/1
		Code specifying the weight unit			

Refer to 005010 Data Element Dictionary for acceptable code values.

LH213   **267**   **Net Explosive Quantity**   **X**   **1 N0 1/10**
Net weight of the explosive quantity of the hazardous commodity

	Segment:	**LHR** Hazardous Material Identifying Reference Numbers

Segment: **LHR** Hazardous Material Identifying Reference Numbers
Position: 7900
Loop:
Level:
Usage: Optional
Max Use: 1
Purpose: To transmit specific hazardous material reference numbers
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment:	**LH6** Hazardous Certification			
Position:	8000			
Loop:				
Level:				
Usage:	Optional			
Max Use:	5			
Purpose:	To specify the name of the person certifying that the shipment complies with the regulations and/or the actual certification			
Syntax Notes:	1 If either LH602 or LH603 is present, then the other is required.			
Semantic Notes:				
Comments:				

Data Element Summary

Ref. Des.	Data Element	Name	Attributes		
LH601	93	**Name**	O	1	**AN 1/60**
		Free-form name			
LH602	272	**Hazardous Certification Code**	X	1	**ID 1/1**
		Code indicating the form of the hazardous certification			
		Refer to 005010 Data Element Dictionary for acceptable code values.			
LH603	273	**Hazardous Certification Declaration**	X	1	**AN 1/25**
		Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations			
LH604	273	**Hazardous Certification Declaration**	O	1	**AN 1/25**
		Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations			

	Segment:	**XH** Pro Forma - B13 Information
	Position:	8100
	Loop:	
	Level:	
	Usage:	Optional
	Max Use:	1
	Purpose:	To specify a pro forma invoice and B13 Canada Customs Export Declaration information, required by U.S. and Canada Customs
	Syntax Notes:	
	Semantic Notes:	1 XH04 for a line item: is the freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified.
		2 XH06 will contain percentage of a component of a product which is required by customs to be reported.
		3 XH07 will contain unit price of the item being shipped.
	Comments:	1 This segment is to be used for shipments originating in Canada only.

Data Element Summary

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

Segment: **X7** Customs Information
Position: 8200
Loop:
Level:
Usage: Optional
Max Use: 10
Purpose: To indicate customs information
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment: **SE** **Transaction Set Trailer**
Position: 8400
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

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