



# **EDI 211**

## **Mandatory Fields**

## MANDATORY EDI211 FIELDS

### Summary

<b>Segment ID</b>	<b>Name/Description</b>
ST	Transaction Set Header
BOL	Beginning Segment for Motor Carrier Bill of Lading
B2A	Set Purpose
G62	Date/Time / Ready & Closing Time
AT5	Bill of Lading Handling Requirements
N1	Bill-to, Shipper & Consignee Company Name
N3	Bill-to, Shipper & Consignee Company Civic Address
N4	Bill-to, Shipper & Consignee Company Geographic Location
G61	Shipper & Consignee Name & Phone number
AT1	Bill of Lading Line Item Number
AT2	Bill of Lading Line Item Detail
SE	Transaction Set Trailer

211 MOTOR CARRIER BILL OF LADING

Preferred segment terminator is ~

Introduction

This document contains the format and establishes the data contents of the Motor Carrier Bill of Lading Transaction Set (211) for use within the context of an Electronic Data Interchange (EDI) environment. This transaction set can be used to allow shippers or other parties, responsible for contracting with a motor carrier, to provide a legal bill of lading for a shipment. It is not to be used to provide a motor carrier with data relative to a load tender, pick-up manifest, or appointment scheduling.

\*Mandatory fields (highlighted in pink below) are required within your 211 Bill of Lading.

Heading							
	POS. NO.	SEG. ID	Name	REQ. DES.	Max. Use	Loop Repeats	Notes & Comments
M	0100	ST	Transaction Set Header	M	1		ST*211*1772~
M	0200	BOL	Beginning Segment for Motor Carrier Bill of Lading	M	1		BOL**DAYR**135648068**PP*L~
M	0300	B2A	Set Purpose	M	1		B2A*00*LT~
	0400	MS3	Interline Information	O	12		
	0500	MS2	Equipment or Container Owner and Type	O	1		
	0600	L11	Business Instructions and Reference Number	O	100		
M	0700	G62	Date/Time	M	1		READY AND CLOSING TIME
M	0800	AT5	Bill of Lading Handling Requirements	M	6		AT5***LTT~
	0900	K1	Remarks	O	10		
			<b>LOOP ID - 0100</b>			10	
M	1000	N1	Name	M	1		BT/SF/ST NAME
	1100	N2	Additional Name Information	O	1		
M	1200	N3	Address Information	M	2		BT/SF/ST BILL TO CIVIC ADDRESS
M	1300	N4	Geographic Location	M	1		BT/SF/ST BILL TO ADDRESS
M	1400	G61	Contact	M	3		SHIPPER PHONE NUMBER

Detail							
	POS. NO.	SEG. ID	Name	REQ. DES.	Max. Use	Loop Repeats	Notes & Comments
			<b>LOOP ID - 0200</b>			999	
M	0100	AT1	Bill of Lading Line Item Number	M	1		AT1*2*334.240*L*1*PC~
	0200	L11	Business Instructions and Reference Number	O	50		
	0300	AT3	Bill of Lading Rates and Charges	O	1		
	0400	AT4	Bill of lading Description	O	99		
			<b>LOOP ID - 0210</b>			1	
M	0500	AT2	Bill of Lading Line Item Detail	M	1		AT2*1*PLT*N*L*2000~
	0600	MAN	Marks and Numbers	O	999999		
	0700	OID	Order Identification Detail	O	999999		
			<b>LOOP ID - 0220</b>				
	0800	LX	Assigned Number	O	1		
	0900	MAN	Marks and Numbers	O	999999		
	1000	OID	Order Identification Detail	O	1		
			<b>LOOP ID - 0230</b>			2	
	1100	N1	Name	M	3		
	1200	N2	Additional Name Information	O	1		
	1300	N3	Address Information	M	3		
	1400	N4	Geographic Location	M	3		
	1500	G61	Contact	M	3		G61*EM*EMERGENCY RESPONSE#*TE*800-424-9300*CCN15424~
	1600	L11	Business Instructions and Reference Number	O	50		
	1700	LH6	Hazardous Certification	O	6		
			<b>LOOP ID - 0231</b>			999	
	1800	LH1	Hazardous Identification Information	M	1		LH1*LB*4*UN3266*II~
	1900	LH2	Hazardous Classification Information	O	4		
	2000	LH3	Hazardous Material Shipping Name	O	10		
	2100	LH4	Canadian Dangerous Requirements	M	1		

STANDARD EXAMPLE	
ST*211*0015~	
BOL*DAYR*PP*103700002369*20200630*170000~	
B2A*00*LT~	
L11*103700002369*BN~	
G62*37*20200506*I*080000*LT~	
G62*38*20200506*K*143000*LT~	
AT5*LTT~	
K1*ORD AAAA03771ST38607401 INTE*ON20200428 032513 PM ET 7~	
K1*1ST38607401~	
N1*BT*3RD PARTY ACCOUNT*93*FAP~	
N3*123 MAIN ST~	
N4*PORTLAND*OR*97208*US*SP*OR~	
N1*SF*SERVICE CENTER*93*71~	
N3*171 GRAND RIVER~	
N4*POINTE-CLAIRE*QC*H9R1E9*CA*SP*QC~	
G61*SF*Not Available*TE*514-111-3051~	
N1*CN*SERVICE*93*71~	
N3*171 PIKE RD~	
N4*MONCTON*NB*E1A0A3*CA*SP*NB~	
G61*CN*Not Available*TE*506-694-3151~	
AT1*1~	
L11*C100 GENERIC*IX~	
L11*71 ST 3860740 1*PO~	
L11*71 ST 3860740 1*RE~	
L11*1037000023690102*SI~	
AT4*C100GENERIC~	
AT2*1*PCS*G*L*294*****100.0~	
SE*30*0015~	

DANGEROUS GOODS EXAMPLE	
ST*211*23633~	
BOL*DAYR*PP*16593525*20210114~	
B2A*00~	
L11*16593525*ZZ*433657~	
L11*C561362-AB*CR	
G62*37*20200506*I*080000*LT~	
G62*38*20200506*K*143000*LT~	
AT5*LTT~	
AT5*DA~	
N1*CN*COLLEGE~	
N3*123 MAIN ST~	
N4*SAULT STE MARIE*ON*P6B 4J3~	
G61*SF*TIM*TE*705-111-3051~	
N1*SF*CHEM~	
N3*245 123 ROAD~	
N4*BRAMPTON*ON*L6T1E6*CA~	
N1*BT*TESTING~	
N2*506 SOUTH ST~	
N4*IRVING*TX*75015~	
AT1*1~	
AT4*UN3266 CORROSIVE LIQUID BASIC INORGANIC N.O.S.~	
AT4* (SODIUM HYDROXIDE) 8 II CORROSIVE MATERIALS N~	
AT4*OI O/T TOXIC IN IBC'S DRUMS OR BOXES NMFC 44155~	

	2200	LFH	Freeform Hazardous Material Information	O	20															AT4* SUB 03~
	2300	L11	Business Instructions and Reference Number	O	5															AT2*4*BOX*G*L*112***Y*44155 SUB 03*085~
																				G61*EM*EMERGENCY RESPONSE#*TE*800-424-9300*CCN15424~
<b>Summary</b>																				LH1*LB*4*UN3266*II~
																				LH3*CORROSIVE LIQUID BASIC *D*NOS*Y~
																				LFH*TEC*SODIUM HYDROXIDE~
M	2400	SE	Transaction Set Trailer	M	1								SE*43*1772~							SE*26*23633~
<b>Segment</b>	<b>ST Transaction Set Header</b>																			
<b>Position:</b>	0100																			
<b>Loop Level:</b>			Heading																	
<b>Usage:</b>			Mandatory																	
<b>Max Use:</b>			1																	
<b>Purpose:</b>			To indicate the start of a transaction set and to assign a control number																	
<b>Syntax Notes:</b>																				
<b>Semantic Notes:</b>			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).																	
<b>Comments:</b>																				
			<b>Data Element Summary</b>																	
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>														
M	ST01	143	<b>Transaction Set Identifier Code</b>	M	ID 3/3															ST*211*1772~
			Code uniquely identifying a Transaction Set																	
			<b>211 Motor Carrier Bill of Lading</b>																	
M	ST02	329	<b>Transaction Set Control Number</b>	M	AN 4/9															ST*211*1772~
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set																	
<b>Segment</b>	<b>BOL Beginning Segment for Shipment Information Transaction</b>																			
<b>Position:</b>	0200																			
<b>Loop Level:</b>			Heading																	
<b>Usage:</b>			Mandatory																	
<b>Max Use:</b>			1																	
<b>Purpose:</b>			To transmit identifying numbers, dates, and other basic data related to the transaction set																	
<b>Syntax Notes:</b>																				
<b>Semantic Notes:</b>			1) BOL01 is the Standard Carrier Alpha Code (SCAC) of the carrier that is to provide transportation services. 2) BOL02 is the method of payment for the freight charges. 3) BOL03 is the identification number assigned by the shipper, usually the Bill of Lading number. 4) BOL04 is the date the carrier picked up the freight. 5) BOL05 is the actual time the carrier picked up the freight. 6) BOL06 is the number assigned by the carrier to the shipment, usually the PRO number.																	
<b>Comments:</b>																				
			<b>Data Element Summary</b>																	
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>														
M	BOL01	140	<b>Standard Carrier Alpha Code</b>	M	ID 2/4															BOL*DAYR*PP*123456*20210414*1840*TOR1234567~
			Standard Carrier Alpha Code																	
M	BOL02	146	<b>Shipment Method of Payment</b>	M	ID 2/2															BOL*DAYR*PP*123456*20210414*1840*TOR1234567~
			Code identifying payment terms for transportation charges CC Collect (Shipment charges billed to Consignee) PP Prepaid (Shipment charges billed to Shipper) TP Third Party Pay (Shipment charges billed to another party not the Shipper or Consignee)																	

M	BOL03	145	<b>Shipment Identification Number</b> Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	M	AN 1/30			BOL*DAYR*PP*123456*20210414*1840*TOR1234567~
M	BOL04	373	<b>Date</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	M	DT 8/8			BOL*DAYR*PP*123456*20210414*1840*TOR1234567~
	BOL05	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	O	TM 4/8			
	BOL06	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN 1/30			
<b>Segment B2A Set Purpose</b>								
<b>Position:</b>	0300							
<b>Loop:</b>								
<b>Level:</b>			Heading					
<b>Usage:</b>			Mandatory					
<b>Max Use:</b>			1					
<b>Purpose:</b>			To allow for positive identification of transaction set purpose					
<b>Syntax Notes:</b>								
<b>Semantic Notes:</b>								
<b>Comments:</b>								
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>		
M	B2A01	353	<b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set An EDI 997 is required for all EDI 204's. This also applies to EDI 204's that contain a code of "Original - No Responses Necessary" <b>00 Original</b> <b>01 Cancellation</b> <b>04 Change</b> A change status indicates an update (change) from the original tender. <b>49 Original - No Response Necessary</b>  Auto Accept - will be used when an EDI 990 is not required in response to the tender. An EDI 997 is still required. Primarily to be used for Less-Than-Truckload carriers.	M	ID 2/2			B2A*00*LT~
	B2A02	346	<b>Application Type</b> Code identifying an application	O	ID 2/2			
<b>Segment MS3 Interline Information</b>								
<b>Position:</b>	0400							MS3*SCAC*O*BALTIMORE*O*MD~
<b>Loop:</b>								
<b>Level:</b>			Heading					
<b>Usage:</b>			Optional					
<b>Max Use:</b>			12					
<b>Purpose:</b>			To identify the interline carrier and relevant data					
<b>Syntax Notes:</b>			1) If MS305 is present, then MS303 is required.					
<b>Semantic Notes:</b>			1) MS301 is the Standard Carrier Alpha Code (SCAC) of the interline carrier. 2) MS303 is the city where the interline was performed.					
<b>Comments:</b>								
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>		
	MS301	140	<b>Standard Carrier Alpha Code</b>	M	ID 2/4			

		Standard Carrier Alpha Code			
MS302	133	<b>Routing Sequence Code</b> Code describing the relationship of a carrier to a specific shipment movement <b>1 1st Carrier after Origin Carrier</b> <b>O Origin Carrier (Air, Motor, or Ocean)</b>	M	ID 1/2	
MS303	19	<b>City Name</b> Free-form text for city name	X	AN 2/30	
MS304	91	<b>Transportation Method/Type Code</b> Code specifying the method or type of transportation for the shipment <b>MP Motor (Package Carrier)</b>	O	ID 1/2	
MS305	156	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	O	ID 2/2	

<b>Segment</b>	<b>MS2 Equipment or Container Owner and Type</b>					MS2*SCAC*123456*TF~
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<b>Position:</b>	0500					
<b>Loop:</b>						
<b>Level:</b>			Heading			
<b>Usage:</b>			Optional			
<b>Max Use:</b>			1			
<b>Purpose:</b>			To specify the owner, the identification number assigned by that owner, and the type of equipment			
<b>Set Notes:</b>			1) The MS2 segment is used to provide the carrier with the trailer number of the trailer that has the shipment on it.			
<b>Syntax Notes:</b>			1) If either MS201 or MS202 is present, then the other is required 1) If MS204 is present, then MS202 is required.			
<b>Semantic Notes:</b>						
<b>Comments:</b>			1) MS203 identifies the type for the equipment specified in MS202.			

Ref. Data Attributes	Data Element	Name	REQ. DES.	Max. Use	Loop Repeat
MS201	140	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	X	ID 2/4	
MS202	207	<b>Equipment Number</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	X	AN 1/10	
MS203	40	<b>Equipment Description Code</b> Code identifying type of equipment used for shipment <b>RT Controlled Temperature Trailer (Reefer)</b> <b>TF Trailer, Dry Freight</b> <b>TL Trailer (not otherwise specified)</b>	O	AN 2/30	

<b>Segment</b>	<b>L11 Business Instructions and Reference Number</b>					L11*12794*PO~
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<b>Position:</b>	0600					
<b>Loop:</b>						
<b>Level:</b>			Heading			
<b>Usage:</b>			Optional			
<b>Max Use:</b>			100			
<b>Purpose:</b>			To specify instructions in this business relationship or a reference number			
<b>Syntax Notes:</b>			1) At least one of L1101 or L1103 is required. 2) If either L1101 or L1102 is present, then the other is required.			
<b>Semantic Notes:</b>						
<b>Comments:</b>						

Ref. Data Attributes	Data Element	Name	REQ. DES.	Max. Use	Loop Repeat
L1101	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30	
L1102	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification <b>BM Bill of Lading Number</b>	X	ID 2/3	

			CR Customer Reference Number PO Purchase Order Number				
	L1103	352	Description A free-form description to clarify the related data elements and their content	X	AN 1/80		

<b>Segment</b>	<b>G62 Date/Time</b>				<b>SHIPPER &amp; CONSIGNEE READY AND CLOSING</b>		
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<b>Position:</b>	0700						
<b>Loop:</b>							
<b>Level:</b>			Heading				
<b>Usage:</b>			Mandatory				
<b>Max Use:</b>			1				
<b>Purpose:</b>			To specify pertinent dates and times				
<b>Syntax Notes:</b>			1) At least one of G6201 or G6203 is required. 2) If either G6201 or G6202 is present, then the other is required. 3) If either G6203 or G6204 is present, then the other is required.				
<b>Semantic Notes:</b>							
<b>Comments:</b>							
<b>Notes:</b>							

	<b>Data Element Summary</b>						
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	Ref. Data Attributes	Data Element	Name	REQ. DES.	Max. Use	Loop Repeat	
M	G6201	432	<b>Date Qualifier</b> Code specifying type of date	M	ID 2/2		G62*37*20200506*I*143000*LT~
M			<b>37 Ship Not Before Date</b> Shipment ready date	M			G62*37*20200506*I*080000*LT~
M			<b>38 Ship Not Later Than Date</b> Shipper closing date / or pickup no later then date	M			G62*38*20200506*K*143000*LT~
M	G6202	373	<b>Date</b> Date expressed as CCYYMMDD	M	DT 8/8		G62*54*20200507*L*070000*LT~
M	G6203	176	<b>Time Qualifier</b> Code specifying the reported time	M	ID 1/2		
M			<b>I Earliest Requested Pick Up Time</b> Shipment ready time	M			G62*37*20200506*I*143000*LT~
M			<b>K Latest Requested Pick Up Time</b> Shipper closing time / or pickup no later then time	M			G62*38*20200506*K*143000*LT~
			<b>X Scheduled Delivery Time</b> No appointment is required				
			<b>Z Requested Delivery Time</b> Appointment is required, carrier will call for appointment				
M	G6204	337	<b>Time</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and D = hundredths (00-99)	M	TM 4/8		G62*37*20200506*I*143000*LT~
M	G6205	623	<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Note- LT refers to the local time of the stop. <b>AT Alaska Time</b> <b>CT Central Time</b> <b>ET Eastern Time</b> <b>LT Local Time</b> <b>MT Mountain Time</b> <b>PT Pacific Time</b>	M	ID 2/2		G62*37*20200506*I*143000*LT~

<b>Segment</b>	<b>AT5 Bill of Lading Handling Requirements</b>						
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<b>Position:</b>	0800						
<b>Loop:</b>							
<b>Level:</b>			Heading				

<b>Usage:</b>			Mandatory				
<b>Max Use:</b>			6				
<b>Purpose:</b>			To identify Bill of Lading handling and service requirements				
<b>Syntax Notes:</b>			1) Only one of AT501 or AT503 may be present. 2) Only one of AT502 or AT503 may be present.				
<b>Semantic Notes:</b>							
<b>Comments:</b>							
<b>Notes:</b>							
			<b>Data Element Summary</b>				
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>	
M	AT501	152	<b>Special Handling Code</b> Code specifying special transportation handling instructions <b>LTT Less Than Truckload (LTL or EG Service)</b> <b>RES Residential Delivery (Residential or Homeway Service)</b> <b>TLS Truckload</b> <b>DA Dangerous</b> <b>MRF Refrigerated</b> <b>OTC Temperature Control</b> <b>PSC Protective Service - Cold</b>	M	ID 2/3		AT5*LTT~
	AT502	560	<b>Special Services Code</b> <b>ID Inside Delivery</b>	X	ID 2/10		AT5*LTT*ID~
	AT503	153	<b>Special Handling Description</b> Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate	X	AN 2/30		AT5*TLS**FLATBED~
<b>Segment K1 Remarks</b>							
<b>Position:</b>	0900						
<b>Loop:</b>							
<b>Level:</b>			Heading				
<b>Usage:</b>			Optional				
<b>Max Use:</b>			10				
<b>Purpose:</b>			To transmit information in a free-form format, if necessary, for comment or special instruction				
<b>Syntax Notes:</b>							
<b>Semantic Notes:</b>							
<b>Comments:</b>			1) Use of the K1 for free-form information requires manual intervention to process the information being conveyed.				
<b>Notes:</b>							
			<b>Data Element Summary</b>				
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>	
	K101	61	<b>Free-Form Message</b> A free-form description to clarify the related data elements and their content	M	AN 1/30		
<b>Segment N1 Name</b>							
<b>Position:</b>	1000						BT/SF/ST SEGMENTS NEEDED
<b>Loop:</b>			0100 Mandatory				
<b>Level:</b>			Heading				
<b>Usage:</b>			Mandatory				
<b>Max Use:</b>			1				
<b>Purpose:</b>			To identify a party by type of organization, name, and code				
<b>Syntax Notes:</b>			1) At least one of N102 or N103 is required. 2) If either N103 or N104 is present, then the other is required.				
<b>Semantic Notes:</b>							
<b>Comments:</b>			1) This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code"(N104) must provide a key to the table maintained by the transaction processing party. 2) N105 and N106 further define the type of entity in N101.				



Notes:						
Data Element Summary						
	Ref. Data Attributes	Data Element	Name	REQ. DES.	Max. Use	Loop Repeat
M	N101	98	<b>Entity Identifier Code</b>	M	ID 2/3	
			Code identifying an organizational entity, a physical location, property or an individual <b>BT Bill-to-Party</b> <b>SF Ship From</b> <b>ST Ship to</b>			
M	N102	93	<b>Name</b>	M	AN 1/60	
			Free-form name			
M	N103	66	<b>Identification Code Qualifier</b>	M	ID 1/2	
			Code designating the system/method of code structure used for Identification Code (67) <b>93 Code assigned by the organization originating the transaction set</b>			
M	N104	67	<b>Identification Code</b>	M	AN 2/80	
			Code identifying a party or other code			
<b>Segment N2 Addition Name Information</b>						
<b>Position:</b>	1100					
<b>Loop:</b>			0100 Mandatory			
<b>Level:</b>			Heading			
<b>Usage:</b>			Optional			
<b>Max Use:</b>			1			
<b>Purpose:</b>			To specify additional names			
<b>Syntax Notes:</b>						
<b>Semantic Notes:</b>						
<b>Comments:</b>						
<b>Notes:</b>						
Data Element Summary						
	Ref. Data Attributes	Data Element	Name	REQ. DES.	Max. Use	Loop Repeat
	N201	93	<b>Name</b>	M	AN 1/60	
			Free-form name			
	N202	93	<b>Name</b>	O	AN 1/60	
			Free-form name			
<b>Segment N3 Address Information</b>						
<b>Position:</b>	1100					
<b>Loop:</b>			0100 Mandatory			
<b>Level:</b>			Heading			
<b>Usage:</b>			Mandatory			
<b>Max Use:</b>			2			
<b>Purpose:</b>			To specify the location of the named party			
<b>Syntax Notes:</b>						
<b>Semantic Notes:</b>						
<b>Comments:</b>						
<b>Notes:</b>						
Data Element Summary						
	Ref. Data Attributes	Data Element	Name	REQ. DES.	Max. Use	Loop Repeat
M	N301	166	<b>Address Information</b>	M	AN 1/55	
			Address information			
	N302	166	<b>Address Information</b>	O	AN 1/55	
			Address information May contain address notes (i.e. suite number, dock number).			
<b>Segment N4 Geographic Location</b>						
<b>Position:</b>	1200					

N1\*BT\*BILLTO COMPANY NAME\*93\*AAA~

N1\*BT\*BILLTO COMPANY NAME\*93\*AAA~

N1\*BT\*BILLTO COMPANY NAME\*93\*AAA~

N1\*BT\*BILLTO COMPANY NAME\*93\*AAA~

N2\*BIG DEPARTMENT STORE~

BT/SF/ST SEGMENTS NEEDED

N3\*123 MAIN~

BT/SF/ST SEGMENTS NEEDED

<b>Loop:</b>			0100 Mandatory				
<b>Level:</b>			Heading				
<b>Usage:</b>			Mandatory				
<b>Max Use:</b>			1				
<b>Purpose:</b>			To specify the geographic place of the named party				
<b>Syntax Notes:</b>			1) If N406 is present, then N405 is required.				
<b>Semantic Notes:</b>							
<b>Comments:</b>			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.				
<b>Notes:</b>							
			<b>Data Element Summary</b>				
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>	
M	N401	19	<b>City Name</b>	M	AN 2/30		N4*NASHVILLE*TN*37214*USA~
			Free-form text for city name				
M	N402	156	<b>State or Province Code</b>	M	ID 2/2		N4*NASHVILLE*TN*37214*USA~
			Code (Standard State/Province) as defined by appropriate government agency				
M	N403	116	<b>Postal Code</b>	M	ID 3/15		N4*NASHVILLE*TN*37214*USA~
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
M	N404	26	<b>Country Code</b>	M	ID 2/3		N4*NASHVILLE*TN*37214*USA~
			Code identifying the country				
<b>Segment</b>			<b>G61 Contact</b>				<b>SHIPPER PHONE NUMBER</b>
<b>Position:</b>	1300						
<b>Loop:</b>			0100 Mandatory				
<b>Level:</b>			Heading				
<b>Usage:</b>			Mandatory				
<b>Max Use:</b>			1				
<b>Purpose:</b>			To identify a person or office to whom communications should be directed				
<b>Syntax Notes:</b>			1) If either G6103 or G6104 is present, then the other is required.				
<b>Semantic Notes:</b>							
<b>Comments:</b>			1) G6103 qualifies G6104.				
<b>Notes:</b>							
			<b>Data Element Summary</b>				
M	G6101	366	<b>Contact Function Code</b>	M	ID 2/2		G61*SH*SHIPPER CONTACT NAME*TE*819-124-6699~
			Code identifying the major duty or responsibility of the person or group named <b>SH Shipper Contact</b> <b>DC Delivery Contact</b> <b>1D Third-party Administrator (TPA) Contact</b> <b>HM Hazardous Material Contact</b>				
	G6102	93	<b>Name</b>	O	AN 1/60		
			Free-form name				
M	G6103	365	<b>Communication Number Qualifier</b>	M	ID 2/2		G61*SH*SHIPPER CONTACT NAME*TE*819-124-6699~
			Code identifying the type of communication number <b>TE Telephone</b>				
M	G6104	364	<b>Communication Number</b>	M	AN 1/80		G61*SH*SHIPPER CONTACT NAME*TE*819-124-6699~
			Complete communications number including area code				
<b>Segment</b>			<b>AT1 Bill of Lading Line Item Number</b>				
<b>Position:</b>	0100						
<b>Loop:</b>			0200 Mandatory				
<b>Level:</b>			Detail				
<b>Usage:</b>			Mandatory				
<b>Max Use:</b>			1				
<b>Purpose:</b>			To reference a Bill of Lading line number				
<b>Syntax Notes:</b>			1) If either LH602 or LH603 is present, then the other is required.				
<b>Semantic Notes:</b>							
<b>Comments:</b>							

<b>Notes:</b>			1) The AT1 segment provides the line number for all of the related items included. It may include reference numbers, rates and charges, descriptions, and or line item details. Any data included within a single loop is related to the other data included in that loop. Any reference numbers included in a loop with line item details are related to that line item only. Any reference numbers included in its own line item are related to the entire shipment and can not be broken out by line item detail.				
			<b>Data Element Summary</b>				
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>	
M	AT101	213	<b>Lading Line Item Number</b>	M	N0 1/3		AT1*1~
			Sequential line number for a lading item				
<b>Segment L11 Business Instructions and Reference Number</b>							L11*123456*BM~
<b>Position:</b>	0200						
<b>Loop:</b>			0200				
<b>Level:</b>			Detail				
<b>Usage:</b>			Optional				
<b>Max Use:</b>			50				
<b>Purpose:</b>			To specify instructions in this business relationship or a reference number				
<b>Syntax Notes:</b>			1) At least one of L1101 or L1103 is required. 2) If either L1101 or L1102 is present, then the other is required.				
<b>Semantic Notes:</b>							
<b>Comments:</b>							
<b>Notes:</b>			<b>Data Element Summary</b>				
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>	
	L1101	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30		
	L1102	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification <b>BM Bill of Lading Number</b> <b>CR Customer Reference Number</b> <b>PO Purchase Order Number</b>	X	ID 2/3		
	L1103	352	<b>Description</b> A free-form description to clarify the related data elements and their content	X	AN 1/80		
<b>Segment AT3 Bill of Lading Rates and Charges</b>							AT3*12317~
<b>Position:</b>	0300						
<b>Loop:</b>			0200				
<b>Level:</b>			Detail				
<b>Usage:</b>			Optional				
<b>Max Use:</b>			6				
<b>Purpose:</b>			To specify Bill of Lading rates and charges				
<b>Set Notes:</b>			1) Care should be taken when using the AT3 segment to provide the carrier with a pre-rated Bill of Lading. Rates and charges included on the Bill of Lading are subject to audit. Accessorial charges usually can not be determined before the shipment has been delivered, therefore use of this segment may not negate the requirement for transaction set 210, Freight Invoice and Details. 2) The AT3 segment provides a means of transmitting freight charges and the basis for those charges. The amount of the charge appears in AT301.				
<b>Syntax Notes:</b>							
<b>Semantic Notes:</b>							
<b>Comments:</b>							
<b>Notes:</b>			<b>Data Element Summary</b>				
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>	

	AT301	58	<b>Charge</b> 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	M	N2 1/12		
<b>Segment AT4 Bill of Lading Description</b>							AT4*IRON AND STEEL ARTICLES~
<b>Position:</b>	0400						
<b>Loop:</b>			0200				
<b>Level:</b>			Heading				
<b>Usage:</b>			Optional				
<b>Max Use:</b>			99				
<b>Purpose:</b>			To specify the lading description				
<b>Set Notes:</b>			1) Segment AT4 provides a means for the shipper to provide a text description of the line item. The National Motor Freight Classification and the freight class shall be included in the AT2 segment if applicable.				
<b>Syntax Notes:</b>							
<b>Semantic Notes:</b>							
<b>Comments:</b>							
<b>Notes:</b>							
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>	
	AT401	79	<b>Lading Description</b> Description of an item as required for rating and billing purposes	M	AN 1/50		
<b>Segment AT2 Bill of Lading Line Item Detail</b>							
<b>Position:</b>	0500						
<b>Loop:</b>			0210 Mandatory				
<b>Level:</b>			Detail				
<b>Usage:</b>			Mandatory				
<b>Max Use:</b>			1				
<b>Purpose:</b>			To specify Bill of Lading quantity, weight, commodity classification and other details.				
<b>Set Notes:</b>			1) The AT2 segment is used to provide the carrier with the appropriate data to rate the shipment. It is included per line item when the line item includes an item of freight.				
<b>Syntax Notes:</b>			1) If either AT201 or AT202 is present, then the other is required. 2) If either AT206 or AT207 is present, then the other is required.				
<b>Semantic Notes:</b>			1) AT201 is the number of carrier handling units for the line item. 2) AT202 is the packaging form of the lading quantity in AT201. 3) AT203 and AT204 qualify AT205. 4) AT206 is used only if AT202 contains the codes PLT, SKD, or SLP. 5) AT206 is the total number of pieces contained on the pallets, skids or slip sheets identified in AT201. 6) AT207 is the packaging form of the units contained on pallets, skids, or slip sheets. 7) AT208 indicates if the carrier is required to verify the number of cartons on the pallet, slip sheet, or skid. A "Y" indicates that the carrier is required to verify the number of cartons. An "N" indicates that the carrier is not required to verify the number of cartons. If AT208 is not present in the segment a code of "N" is assumed. 8) AT209 is the National Motor Freight Classification Number. 9) AT211 is used to indicate a master handling unit line item. A "Y" indicates the line item is a master handling unit describing lading quantity, packaging form code, and weight. The commodity code, freight class, and weight would be contained in additional line items. An "N" indicates that the line is a sub line item of a master handling unit line item. Lading quantity and package type are not used for sub line items. AT211 is used only when describing master handling unit and sub line items.				
<b>Comments:</b>							
<b>Notes:</b>							

Data Element Summary						
	Ref. Data Attributes	Data Element	Name	REQ. DES.	Max. Use	Loop Repeat
M	AT201	80	<b>Lading Quantity</b> Number of units (pieces) of the lading commodity	M	N0 1/7	AT2*1*PLT*N*L*2000*30*CTN*N*12621701~
M	AT202	211	<b>Packaging Form Code</b> Code for packaging form of the lading quantity CTN Carton PCS Pieces PLT Pallet SKD Skid	M	ID 3/3	AT2*1*PLT*N*L*2000*30*CTN*N*12621701~
M	AT203	81	<b>Weight Qualifier</b> Code defining the type of weight N Actual Net Weight T Tare Weight	M	ID 1/2	AT2*1*PLT*N*L*2000*30*CTN*N*12621701~
M	AT204	188	<b>Weight Unit Code</b> Code specifying the weight unit K Kilograms L Pounds	M	ID 1/1	AT2*1*PLT*N*L*2000*30*CTN*N*12621701~
M	AT205	81	<b>Weight</b> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	M	R 1/10	AT2*1*PLT*N*L*2000*30*CTN*N*12621701~
	AT206	80	<b>Lading Quantity</b> Number of units (pieces) of the lading commodity	X	N0 1/7	
	AT207	211	<b>Packaging Form Code</b> Code for packaging form of the lading quantity CTN Carton PCS Pieces	X	ID 3/3	
	AT208	1073	<b>Yes/No Condition or Response Code</b> Code indicating a Yes or No condition or response N No Y Yes	O	ID 1/1	
	AT209	22	<b>Commodity Code</b> Code describing a commodity or group of commodities	O	AN 1/30	
	AT210	59	<b>Freight Class Code</b> Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.	O	AN 2/5	
	AT211	1073	<b>Yes/No Condition or Response Code</b> Code indicating a Yes or No condition or response	O	ID 1/1	
	AT212	148	<b>Lading Value</b> Value of shipment for export, expressed in the standard monetary denomination for the currency specified	O	R 2/9	
<b>Segment MAN Marks and Numbers</b>						
<b>Position:</b>	0600					MAN*AA*00123456789098765432**CP*123567456~
<b>Loop:</b>			0210			
<b>Level:</b>			Detail			
<b>Usage:</b>			Optional			
<b>Max Use:</b>			999999			
<b>Purpose:</b>			To indicate identifying marks and numbers for shipping containers			
<b>Set Notes:</b>			1) The MAN segment provides the marks and numbers associated with the line item identified in the AT2 segment.			
<b>Syntax Notes:</b>			1) If either MAN04 or MAN05 is present, then the other is required. 2) If MAN06 is present, then MAN05 is required.			
<b>Semantic Notes:</b>			1) MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container. 2) When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range. 3) When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.			

<b>Comments:</b>  <b>Notes:</b>			<p>1) When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06.</p> <p>2) MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers.</p> <p>3) When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.</p>			
	<b>Data Element Summary</b>					
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>
	MAN01	88	<b>Marks and Numbers Qualifier</b> Code specifying the application or source of Marks and Numbers (87) <b>AA SSCC-18</b> <b>CP Carrier-Assigned Package ID Number</b>	M	ID 1/2	
	MAN02	87	<b>Marks and Numbers</b> Marks and numbers used to identify a shipment or parts of a shipment	M	AN 1/48	
	MAN03	87	<b>Marks and Numbers</b> Marks and numbers used to identify a shipment or parts of a shipment	O	AN 1/48	
	MAN04	88	<b>Marks and Numbers Qualifier</b> Code specifying the application or source of Marks and Numbers (87) <b>AA SSCC-18</b> <b>CP Carrier-Assigned Package ID Number</b>	X	ID 1/2	
	MAN05	87	<b>Marks and Numbers</b> Marks and numbers used to identify a shipment or parts of a shipment	X	AN 1/48	
MAN06	87	<b>Marks and Numbers</b> Marks and numbers used to identify a shipment or parts of a shipment	O	AN 1/48		
<b>Segment</b>			<b>OID Order Identification Detail</b>			
<b>Position:</b>	0700					OID**12345*12*PCS*134*L*1800~
<b>Loop:</b>		0210				
<b>Level:</b>		Detail				
<b>Usage:</b>		Optional				
<b>Max Use:</b>		1				
<b>Purpose:</b>		To specify order identification detail				
<b>Syntax Notes:</b>		<p>1) At least one of OID01 or OID02 is required.</p> <p>2) If OID03 is present, then OID02 is required.</p> <p>3) If either OID04 or OID05 is present, then the other is required.</p> <p>4) If either OID06 or OID07 is present, then the other is required.</p> <p>5) If either OID08 or OID09 is present, then the other is required.</p>				
<b>Semantic Notes:</b>		<p>1) OID01 is the seller's order identification number.</p> <p>2) OID03 is the number assigned by the consignee to further define the purchase order number.</p>				
<b>Comments:</b> <b>Notes:</b>						
<b>Data Element Summary</b>						
<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>	
OID01	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30		
OID02	324	<b>Purchase Order Number</b> Identifying number for Purchase Order assigned by the orderer/purchaser	X	AN 1/22		
OID03	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN 1/30		
OID04	211	<b>Packaging Form Code</b> Code for packaging form of the lading quantity <b>CTN Carton</b> <b>PCS Pieces</b>	X	ID 3/3		
OID05	380	<b>Quantity</b> Numeric value of quantity	X	R 1/15		

	OID06	188	<b>Weight Unit Code</b> Code specifying the weight unit <b>K Kilograms</b> <b>L Pounds</b>	X	ID 1/1	
	OID07	81	<b>Weight</b> Numeric value of weight	X	R 1/10	
	OID08	184	<b>Volume Unit Qualifier</b> Code identifying the volume unit	X	ID 1/1	

Segment		LX Assigned Number						LX*1~
<b>Position:</b>	0800							
<b>Loop:</b>			0220					
<b>Level:</b>			Detail					
<b>Usage:</b>			Optional					
<b>Max Use:</b>			1					
<b>Purpose:</b>			To reference a line number in a transaction set					
<b>Set Notes:</b>			1) Loop 0220 shall only be used when the marks and numbers or the purchase order detail can not be associated with the specific Bill of Lading line item details included in the AT2 segments transmitted with this Bill of Lading.					
<b>Syntax Notes:</b>								
<b>Semantic Notes:</b>								
<b>Comments:</b>								
<b>Notes:</b>								
			<b>Data Element Summary</b>					
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>		
	LX01	554	<b>Assigned Number</b> Number assigned for differentiation within a transaction set	M	N0 1/6			

Segment		MAN Marks and Numbers						MAN*AA*00123456789098765432**CP*123567456~
<b>Position:</b>	0900							
<b>Loop:</b>			0220					
<b>Level:</b>			Detail					
<b>Usage:</b>			Optional					
<b>Max Use:</b>			999999					
<b>Purpose:</b>			To indicate identifying marks and numbers for shipping containers					
<b>Set Notes:</b>			1) The MAN segment provides the marks and numbers associated with the line item identified in the AT2 segment.					
<b>Syntax Notes:</b>			1) If either MAN04 or MAN05 is present, then the other is required. 2) If MAN06 is present, then MAN05 is required.					
<b>Semantic Notes:</b>			1) MAN01/MAN02 and MAN04/MAN05 may be used to identify two different marks and numbers assigned to the same physical container. 2) When both MAN02 and MAN03 are used, MAN02 is the starting number of a sequential range and MAN03 is the ending number of that range. 3) When both MAN05 and MAN06 are used, MAN05 is the starting number of a sequential range, and MAN06 is the ending number of that range.					
<b>Comments:</b>			1) When MAN01 contains code "UC" (U.P.C. Shipping Container Code) and MAN05/MAN06 contain a range of ID numbers, MAN03 is not used. The reason for this is that the U.P.C. Shipping Container code is the same on every carton that is represented in the range in MAN05/MAN06. 2) MAN03 and/or MAN06 are only used when sending a range(s) of ID numbers. 3) When both MAN02/MAN03 and MAN05/MAN06 are used to send ranges of ID numbers, the integrity of the two ID numbers must be maintained.					
<b>Notes:</b>								
			<b>Data Element Summary</b>					
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>		
	MAN01	88	<b>Marks and Numbers Qualifier</b> Code specifying the application or source of Marks and Numbers (87) <b>AA SSCC-18</b> <b>CP Carrier-Assigned Package ID Number</b>	M	ID 1/2			
	MAN02	87	<b>Marks and Numbers</b>	M	AN 1/48			

		Marks and numbers used to identify a shipment or parts of a shipment		
MAN03	87	<b>Marks and Numbers</b> Marks and numbers used to identify a shipment or parts of a shipment	O	AN 1/48
MAN04	88	<b>Marks and Numbers Qualifier</b> Code specifying the application or source of Marks and Numbers (87) <b>AA SSCC-18</b> <b>CP Carrier-Assigned Package ID Number</b>	X	ID 1/2
MAN05	87	<b>Marks and Numbers</b> Marks and numbers used to identify a shipment or parts of a shipment	X	AN 1/48
MAN06	87	<b>Marks and Numbers</b> Marks and numbers used to identify a shipment or parts of a shipment	O	AN 1/48

Segment		OID Order Identification Detail						
<b>Position:</b>	1000							OID**12345*12*PCS*134*L*1800~
<b>Loop:</b>			0220					
<b>Level:</b>			Detail					
<b>Usage:</b>			Optional					
<b>Max Use:</b>			1					
<b>Purpose:</b>			To specify order identification detail					
<b>Syntax Notes:</b>			1) At least one of OID01 or OID02 is required. 2) If OID03 is present, then OID02 is required. 3) If either OID04 or OID05 is present, then the other is required. 4) If either OID06 or OID07 is present, then the other is required. 5) If either OID08 or OID09 is present, then the other is required.					
<b>Semantic Notes:</b>			1) OID01 is the seller's order identification number. 2) OID03 is the number assigned by the consignee to further define the purchase order number.					
<b>Comments:</b>								
<b>Notes:</b>								
			<b>Data Element Summary</b>					
		<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>	
		OID01	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30		
		OID02	324	<b>Purchase Order Number</b> Identifying number for Purchase Order assigned by the orderer/purchaser	X	AN 1/22		
		OID03	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN 1/30		
		OID04	211	<b>Packaging Form Code</b> Code for packaging form of the lading quantity <b>CTN Carton</b> <b>PCS Pieces</b>	X	ID 3/3		
		OID05	380	<b>Quantity</b> Numeric value of quantity	X	R 1/15		
		OID06	188	<b>Weight Unit Code</b> Code specifying the weight unit <b>K Kilograms</b> <b>L Pounds</b>	X	ID 1/1		
		OID07	81	<b>Weight</b> Numeric value of weight	X	R 1/10		
		OID08	184	<b>Volume Unit Qualifier</b> Code identifying the volume unit	X	ID 1/1		

Segment		N1 Name						
<b>Position:</b>	1100							
<b>Loop:</b>			0230 Mandatory					
<b>Level:</b>			Detail					
<b>Usage:</b>			Mandatory					
<b>Max Use:</b>			1					
<b>Purpose:</b>			To identify a party by type of organization, name, and code					



<b>Syntax Notes:</b>			1) At least one of N102 or N103 is required. 2) If either N103 or N104 is present, then the other is required.			
<b>Semantic Notes:</b>						
<b>Comments:</b>			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.			
<b>Notes:</b>						
			<b>Data Element Summary</b>			
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>
	N101	98	<b>Entity Identifier Code</b>	M	ID 2/3	
			Code identifying an organizational entity, a physical location, property or an individual <b>BT Bill-to-Party</b> <b>SF Ship From</b> <b>ST Ship to</b>			
	N102	93	<b>Name</b>	M	AN 1/60	
			Free-form name			
	N103	66	<b>Identification Code Qualifier</b>	X	ID 1/2	
			Code designating the system/method of code structure used for Identification Code (67) <b>93 Code assigned by the organization originating the transaction set</b>			
	N104	67	<b>Identification Code</b>	X	AN 2/80	
			Code identifying a party or other code			
<b>Segment N2 Additional Name Information</b>						
<b>Position:</b>	1200					
<b>Loop:</b>			0230 Mandatory			
<b>Level:</b>			Detail			
<b>Usage:</b>			Optional			
<b>Max Use:</b>			1			
<b>Purpose:</b>			To specify additional names or those longer than 35 characters in length			
<b>Syntax Notes:</b>						
<b>Semantic Notes:</b>						
<b>Comments:</b>						
			<b>Data Element Summary</b>			
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>
	N201	93	<b>Name</b>	O	AN 1/60	
			Free-form name			
	N202	93	<b>Name</b>	O	AN 1/60	
			Free-form name			
<b>Segment N3 Address Information</b>						
<b>Position:</b>	1300					
<b>Loop:</b>			0230 Mandatory			
<b>Level:</b>			Detail			
<b>Usage:</b>			Mandatory			
<b>Max Use:</b>			2			
<b>Purpose:</b>			To specify the location of the named party			
<b>Syntax Notes:</b>						
<b>Semantic Notes:</b>						
<b>Comments:</b>						
			<b>Data Element Summary</b>			
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>
	N301	166	<b>Address Information</b>	M	AN 1/55	
			Address information			
	N302	166	<b>Address Information</b>	O	AN 1/55	

			Address information May contain address notes (i.e. suite number, dock number).			
<b>Segment N4 Geographic Location</b>						
Position:	1400					
Loop:			0230 Mandatory			
Level:			Detail			
Usage:			Mandatory			
Max Use:			1			
Purpose:			To specify the geographic place of the named party			
Syntax Notes:			1) If N406 is present, then N405 is required.			
Semantic Notes:						
Comments:			1) A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location. 2) N402 is required only if city name (N401) is in the U.S. or Canada.			
Notes:						
			<b>Data Element Summary</b>			
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>
	N401	19	<b>City Name</b> Free-form text for city name	M	AN 2/30	
	N402	156	<b>State or Province Code</b> Code (Standard State/Province) as defined by appropriate government agency	M	ID 2/2	
	N403	116	<b>Postal Code</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	M	ID 3/15	
	N404	26	<b>Country Code</b> Code identifying the country	M	ID 2/3	
<b>Segment G61 Contact</b>						
Position:	1500					
Loop:			0230			
Level:			Detail			
Usage:			Optional			
Max Use:			3			
Purpose:			To identify a person or office to whom communications should be directed			
Syntax Notes:			1) If either G6103 or G6104 is present, then the other is required.			
Semantic Notes:						
Comments:			1) G6103 qualifies G6104.			
Notes:						
			<b>Data Element Summary</b>			
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>
	G6101	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named <b>SH Shipper Contact</b> <b>DC Delivery Contact</b> <b>1D Third-party Administrator (TPA) Contact</b> <b>HM Hazardous Material Contact</b>	O	ID 2/2	
	G6102	93	<b>Name</b> Free-form name	O	AN 1/60	
	G6103	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number <b>TE Telephone</b>	O	ID 2/2	
	G6104	364	<b>Communication Number</b> Complete telephone communications number including area code	O	AN 1/80	
<b>Segment L11 Business Instructions and Reference Number</b>						
Position:	1600					
Loop:			0230			
						L11*123456*HN~

<b>Level:</b>			Detail				
<b>Usage:</b>			Optional				
<b>Max Use:</b>			5				
<b>Purpose:</b>			To specify instructions in this business relationship or a reference number				
<b>Syntax Notes:</b>			1) At least one of L1101 or L1103 is required. 2) If either L1101 or L1102 is present, then the other is required.				
<b>Semantic Notes:</b>							
<b>Comments:</b>							
			<b>Data Element Summary</b>				
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>	
	L1101	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30		
	L1102	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification <b>HN Hazardous Certification Number</b> <b>HO Shipper's Hazardous Number</b>	X	ID 2/3		
<b>Segment LH6 Hazardous Certification</b>							
<b>Position:</b>	1700						LH6*JOHN DOE*1*VERBIAGE~
<b>Loop:</b>			0230				
<b>Level:</b>			Heading				
<b>Usage:</b>			Optional				
<b>Max Use:</b>			6				
<b>Purpose:</b>			To specify the name of the person certifying that the shipment complies with the regulations and/or the actual certification				
<b>Syntax Notes:</b>			1) If either LH602 or LH603 is present, then the other is required.				
<b>Semantic Notes:</b>							
<b>Comments:</b>							
<b>Notes:</b>							
			<b>Data Element Summary</b>				
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>	
	LH601	93	<b>Name</b> Free-form name To contain an emergency contact name and phone number.	O	AN 1/60		
	LH602	272	<b>Hazardous Certification Code</b> Code indicating the form of the hazardous certification <b>1 Abbreviated Hazardous Certification</b> <b>2 Long Form of Hazardous Certification</b>	X	ID 1/1		
	LH603	273	<b>Hazardous Certification Declaration</b> Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations	X	AN 1/25		
	LH604	273	<b>Hazardous Certification Declaration</b> Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations	O	AN 1/25		
<b>Segment LH1 Hazardous Identification Information</b>							
<b>Position:</b>	1800						LH1*LB*2150*NA1956~
<b>Loop:</b>			231				
<b>Level:</b>			Detail				
<b>Usage:</b>			Mandatory				
<b>Max Use:</b>			1				
<b>Purpose:</b>			To identify a person or office to whom communications should be directed				
<b>Syntax Notes:</b>							
<b>Semantic Notes:</b>							
<b>Comments:</b>			1) LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.				

			<p>2) LH106 and LH107 are used to convey the quantity or volume and unit of measure for nonbulk shipments only.</p> <p>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.</p>			
<b>Notes:</b>	<b>Data Element Summary</b>					
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>
	LH101	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>LT Liter</b> <b>KG Kilogram</b>	M	ID 2/2	
	LH102	80	<b>Lading Quantity</b> Number of units (pieces) of the lading commodity	M	NO 1/7	
	LH103	277	<b>UN/NA Identification Code</b> Code identifying the hazardous material identification number as required by Title 49 of the code of Federal Regulations; UN/NA stands for United Nations/North America	M	ID 6/6	
	LH104	200	<b>Hazardous Materials Page</b> The United Nations page number as required for the international transport of hazardous materials	O	AN 1/6	
	LH105	22	<b>Commodity Code</b> Code describing a commodity or group of commodities	O	AN 1/30	
	LH106	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>LT Liter</b> <b>KG Kilogram</b>	O	ID 2/2	
	LH107	380	<b>Quantity</b> Numeric value of quantity	O	R 1/15	
	LH109	665	<b>Residue Indicator Code</b> Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded <b>P Residue Last Contained Description (Packages)</b>	O	ID 1/1	
	LH110	254	<b>Packing Group Code</b> Code indicating degree of danger in terms of Roman number I, II or III	M	ID 1/3	
	LH111	1375	<b>Interim Hazardous Material Regulatory Number</b> Identifies the current regulatory version number used for hazardous materials shipments	O	AN 1/5	
<b>Segment</b>	<b>LH2 Hazardous Classification Information</b>					LH2*POISON*P~
<b>Position:</b>	1900					
<b>Loop:</b>			0231			
<b>Level:</b>			Detail			
<b>Usage:</b>			Optional			
<b>Max Use:</b>			4			
<b>Purpose:</b>			To specify the hazardous notation and endorsement information			
<b>Syntax Notes:</b>			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.			
<b>Semantic Notes:</b>			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.			
<b>Comments:</b>						
<b>Notes:</b>	<b>Data Element Summary</b>					

Ref. Data Attributes	Data Element	Name	REQ. DES.	Max. Use	Loop Repeat
LH201	215	<b>Hazardous Classification</b>	O	ID 1/30	
LH202	983	Code specifying type of date <b>Hazardous Class Qualifier</b> Code qualifying hazardous class <b>P Primary</b> <b>S Secondary</b>	O	ID 1/1	
LH203	218	<b>Hazardous Placard Notation</b> The placard notation corresponding to the hazard class of the hazardous commodity	O	ID 14/40	
LH204	222	<b>Hazardous Endorsement</b> The placard endorsement that is to be shown on the shipping papers for the hazardous commodity	O	ID 4/25	
LH205	759	<b>Reportable Quantity Code</b> Code to identify presence of hazardous substance <b>RQ Reportable Quantity</b>	O	ID 2/2	
LH206	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <b>FA Fahrenheit</b>	X	ID 2/2	
LH207	408	<b>Temperature</b> Temperature	X	R 1/4	
LH208	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X	ID 2/2	
LH209	408	<b>Temperature</b> Temperature	X	R 1/4	
LH210	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X	ID 2/2	
LH211	408	<b>Temperature</b> Temperature	X	R 1/4	
LH212	188	<b>Weight Unit Code</b> Code specifying the weight unit	X	ID 1/1	
LH213	267	<b>Net Explosive Quantity</b> Net weight of the explosive quantity of the hazardous commodity	X	NO 1/6	

**Segment LH3 Hazardous Material Shipping Name**

<b>Position:</b>	2000	
<b>Loop:</b>		0231
<b>Level:</b>		Heading
<b>Usage:</b>		Optional
<b>Max Use:</b>		10
<b>Purpose:</b>		To specify the hazardous material shipping name and additional descriptive requirements
<b>Syntax Notes:</b>		1) If either LH301 or LH302 is present, then the other is required.
<b>Semantic Notes:</b>		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.
<b>Comments:</b>		
<b>Notes:</b>		

Ref. Data Attributes	Data Element	Name	REQ. DES.	Max. Use	Loop Repeat
LH301	224	<b>Hazardous Material Shipping Name</b> 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	M	AN 1/30	
LH302	984	<b>Hazardous Material Shipping Name Qualifier</b> Qualifier indicating the source (regulatory) of the proper shipping name <b>C Canadian Shipping Name</b>	X	ID 1/1	

LH3\*ACETONE\*D-

			<b>D Domestic (United States) Shipping Name</b>			
			<b>I International Shipping Name</b>			
LH303	985		<b>Hazardous Indicator Code</b> Code indicating the type of regulatory requirements that apply to a description; N.O.S. stands for Not Otherwise Specified <b>NOS N.O.S. Regulatory Requirements Apply</b>	O	ID 3/3	
LH304	1073		<b>Yes/No Condition or Response Code</b> <b>N No</b> <b>Y Yes</b>	O	ID 1/1	

**Segment LH4 Canadian Dangerous Requirements**

LH4\*123\*6142736407~

<b>Position:</b>	2100		
<b>Loop:</b>		0231	
<b>Level:</b>		Detail	
<b>Usage:</b>		Optional	
<b>Max Use:</b>		1	
<b>Purpose:</b>		To specify additional Transport Canada requirements covering transportation of dangerous goods in Canada	
<b>Syntax Notes:</b>		1) If either LH401 or LH402 is present, then the other is required. 2) If either LH401 or LH402 is present, then the other is required.	
<b>Semantic Notes:</b>		1) LH411 is an additional telephone number.	
<b>Comments:</b>		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.	

Ref. Data Attributes	Data Element	Name	REQ. DES.	Max. Use	Loop Repeat
LH401	238	<b>Emergency Response Plan Number</b> The identity number of a specific hazardous emergency response plan that is assigned by the Director General of Canada	X	AN 1/12	
LH402	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X	AN 1/256	
LH403	254	<b>Packing Group Code</b> Code indicating degree of danger in terms of Roman number I, II or III	O	ID 1/3	
LH404	230	<b>Subsidiary Classification</b> Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers	O	ID 1/3	
LH405	230	<b>Subsidiary Classification</b> Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers	O	ID 1/3	
LH406	230	<b>Subsidiary Classification</b> Code indicating the classification of dangerous goods, other than the primary classification, that is associated with a number or a set of numbers	O	ID 1/3	
LH407	271	<b>Subsidiary Risk Indicator</b> Code identifying the type of subsidiary risk	O	ID 1/2	
LH408	267	<b>Net Explosive Quantity</b> Net weight of the explosive quantity of the hazardous commodity	X	NO 1/6	
LH409	805	<b>Canadian Hazardous Notation</b> Notation required by Canadian regulatory agencies	O	AN 1/256	

**Segment LFH Freeform Hazardous Material Information**

LFH\*POI\*MONO

<b>Position:</b>	2200		
<b>Loop:</b>		0231	
<b>Level:</b>		Detail	
<b>Usage:</b>		Optional	
<b>Max Use:</b>		20	
<b>Purpose:</b>		To uniquely identify the variable information required by government regulation covering the transportation of hazardous material shipments	
<b>Syntax Notes:</b>		1) If either LFH05 or LFH06 is present, then the other is required.	

<b>Semantic Notes:</b>			1) LFH06 indicates activity of the radioactive material. 2) LFH07 indicates transport index of the radioactive material.			
<b>Comments:</b>						
<b>Notes:</b>						
			<b>Data Element Summary</b>			
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>
	LFH01	808	<b>Hazardous Material Shipment Information Qualifier</b> Qualifier indicating the type of information being passed so that a receiver may format a description of hazardous commodity movements that meets regulatory requirements <b>ADI Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper</b> <b>INH Inhalation Hazard</b> <b>LQY "Limited Quantity" Declaration</b> <b>TEC Technical or Chemical Group Name</b> <b>TNM Trade Name</b>	M	ID 3/3	
	LFH02	809	<b>Hazardous Material Shipment Information</b> Specific information required by law for hazardous material shipments	M	AN 1/30	
	LFH03	809	<b>Hazardous Material Shipment Information</b> Specific information required by law for hazardous material shipments	O	AN 1/30	
	LFH04	1023	<b>Hazard Zone Code</b> Code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone <b>A Hazard Zone A</b> <b>B Hazard Zone B</b> <b>C Hazard Zone C</b> <b>D Hazard Zone D</b>	O	ID 1/1	
	LFH05	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	X	ID 2/2	
	LFH06	380	<b>Quantity</b> Numeric value of quantity	X	R 1/15	
	LFH07	380	<b>Quantity</b> Numeric value of quantity	O	R 1/15	
<b>Segment</b>	<b>L11 Business Instructions and Reference Number</b>					
<b>Position:</b>	2300					
<b>Loop:</b>			0231			
<b>Level:</b>			Detail			
<b>Usage:</b>			Optional			
<b>Max Use:</b>			5			
<b>Purpose:</b>			To specify instructions in this business relationship or a reference number			
<b>Syntax Notes:</b>			1) At least one of L1101 or L1103 is required. 2) If either L1101 or L1102 is present, then the other is required.			
<b>Semantic Notes:</b>						
<b>Comments:</b>						
			<b>Data Element Summary</b>			
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>
	L1101	127	<b>Reference Identification</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN 1/30	
	L1102	128	<b>Reference Identification Qualifier</b> Code qualifying the Reference Identification	X	ID 2/3	
<b>Segment</b>	<b>SE Transaction Set Trailer</b>					
<b>Position:</b>	2400					
<b>Loop:</b>						
<b>Level:</b>			Summary			
<b>Usage:</b>			Mandatory			

<b>Max Use:</b>			1				
<b>Purpose:</b>			To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)				
<b>Syntax Notes:</b>							
<b>Semantic Notes:</b>							
<b>Comments:</b>			1) SE is the last segment of each transaction set.				
			<b>Data Element Summary</b>				
	<b>Ref. Data Attributes</b>	<b>Data Element</b>	<b>Name</b>	<b>REQ. DES.</b>	<b>Max. Use</b>	<b>Loop Repeat</b>	
M	SE01	96	<b>Number of Included Segments</b>	M	N0 1/10		SE*43*1772~
			Total number of segments included in a transaction set including ST and SE segments				
M	SE02	329	<b>Transaction Set Control Number</b>	M	AN 4/49		SE*43*1772~
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				