

211 Motor Carrier Bill of Lading

X12/V4010/211: 211 Motor Carrier Bill of Lading

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Author:

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211**Motor Carrier Bill of Lading****Functional Group=BL**

This Draft Standard for Trial Use 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.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BOL	Beginning Segment for the Motor Carrier Bill of Lading	M	1			Must use
030	B2A	Set Purpose	M	1			Must use
040	MS3	Interline Information	O	12			Used
050	MS2	Equipment or Container Owner and Type	O	1		N1/050	Used
060	L11	Business Instructions and Reference Number	O	100			Used
070	G62	Date/Time	O	6			Used
080	AT5	Bill of Lading Handling Requirements	O	50			Used
090	K1	Remarks	O	10			Used
LOOP ID - 0100					10	N1/100L	
100	N1	Name	O	1		N1/100	Used
110	N2	Additional Name Information	O	1			Not used
120	N3	Address Information	O	2			Used
130	N4	Geographic Location	O	1			Used
140	G61	Contact	O	3			Used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - 0200					9999	N2/010L	
010	AT1	Bill of Lading Line Item Number	M	1		N2/010	Must use
020	L11	Business Instructions and Reference Number	O	100			Used
030	AT3	Bill of Lading Rates and Charges	O	1		N2/030	Used
040	AT4	Bill of Lading Description	O	99		N2/040	Used
LOOP ID - 0210					1	N2/050L	
050	AT2	Bill of Lading Line Item Detail	O	1		N2/050	Used
060	MAN	Marks and Numbers	O	999999		N2/060	Used
070	SPO	Shipment Purchase Order Detail	O	999999		N2/070	Used
LOOP ID - 0220					999999	N2/080L	
080	LX	Assigned Number	O	1		N2/080	Used
090	MAN	Marks and Numbers	O	999999			Used
100	SPO	Shipment Purchase Order Detail	O	999999			Used
LOOP ID - 0230					2	N2/110L	

110	G61	Contact	O	1	N2/110	Used
120	L11	Business Instructions and Reference Number	O	5		Used
130	LH6	Hazardous Certification	O	6		Used
LOOP ID - 0231				25		
140	LH1	Hazardous Identification Information	M	1		Must use
150	LH2	Hazardous Classification Information	O	4		Used
160	LH3	Hazardous Material Shipping Name	O	10		Used
170	LFH	Freeform Hazardous Material Information	O	20		Used
180	LEP	EPA Required Data	O	3		Used
190	LH4	Canadian Dangerous Requirements	O	1		Used
200	LHT	Transborder Hazardous Requirements	O	3		Used
210	L11	Business Instructions and Reference Number	O	5		Used
220	SE	Transaction Set Trailer	M	1		Must use

Notes:

- 1/050 The MS2 segment is used to provide the carrier with the trailer number of the trailer that has the shipment on it.
- 1/100L Loop 0100 is used to specify the parties to the Bill of Lading, including but not limited to, the ship-from, ship-to, or bill-to parties.
- 1/100 Loop 0100 is used to specify the parties to the Bill of Lading, including but not limited to, the ship-from, ship-to, or bill-to parties.
- 2/010L 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.
- 2/010 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.
- 2/030 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.
The AT3 segment provides a means of transmitting freight charges and the basis for those charges. The amount of the charge appears in AT301. If the charge is based on a percent discount, the percent discount is transmitted in AT307 with the charge, after the discount has been applied, in AT301. If the charge is not based on a rating structure (per mile, per hundred weight, as weight etc.) the type of charge is identified in AT306. If the charge is based on a rate, the rate is transmitted in AT303 with the qualifier (per mile, per hundred weight) codified in AT302. If the quantity of the unit being rated is required AT305 is used in conjunction with AT304. For example, for a charge of \$20.00 that is based on a rate of \$1.00 per mile the segment would be as follows: AT3*2000*PM*1*MI*20 N/L.
- 2/040 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.
- 2/050L 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.
- 2/050 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.
- 2/060 The MAN segment provides the marks and numbers associated with the line item identified in the AT2 segment.
- 2/070 The SPO segment provides the purchase order numbers and details associated with the line item details

- included in the AT2 segment.
- 2/080L 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.
- 2/080 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.
- 2/110L The G61 segment shall only be used to provide the name and phone number of the contact for any hazardous materials included on this Bill of Lading.
- 2/110 The G61 segment shall only be used to provide the name and phone number of the contact for any hazardous materials included on this Bill of Lading.

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To indicate the start of a transaction set and to assign a control number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use
		Description: Code uniquely identifying a Transaction Set All valid standard codes are used.				
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Semantics:

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

BOL Beginning Segment for the Motor Carrier Bill of Lading

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 11

User Option (Usage): Must use

To transmit identifying numbers, dates, and other basic data related to the transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>						
BOL01	140	Standard Carrier Alpha Code Description: Standard Carrier Alpha Code	M	ID	2/4	Must use						
BOL02	146	Shipment Method of Payment Description: Code identifying payment terms for transportation charges <table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>CC</td> <td>Collect</td> </tr> <tr> <td>PP</td> <td>Prepaid (by Seller)</td> </tr> </table>	<u>Code</u>	<u>Name</u>	CC	Collect	PP	Prepaid (by Seller)	M	ID	2/2	Must use
<u>Code</u>	<u>Name</u>											
CC	Collect											
PP	Prepaid (by Seller)											
BOL03	145	Shipment Identification Number Description: 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	Must use						
BOL04	373	Date Description: Date expressed as CCYYMMDD	M	DT	8/8	Must use						
BOL05	337	Time Description: 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	Used						
BOL06	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O	AN	1/30	Used						
BOL07	160	Status Report Request Code Description: Code used by the shipper to specify that an automatic status report is requested when the shipment is delivered All valid standard codes are used.	O	ID	1/1	Used						
BOL08	226	Section Seven Code Description: Code indicating applicability of section seven option (if not transmitted assume not in effect) All valid standard codes are used.	O	ID	1/1	Used						
BOL09	501	Customs Documentation Handling Code Description: Code defining method of handling for documentation All valid standard codes are used.	O	ID	2/2	Used						
BOL10	146	Shipment Method of Payment Description: Code identifying payment terms for transportation charges All valid standard codes are used.	O	ID	2/2	Used						
BOL11	100	Currency Code	O	ID	3/3	Used						

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

Semantics:

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.
7. BOL10 is the method of payment for the COD fee.
8. BOL11 is the currency that all monetary units are specified in for this transaction set.

B2A Set Purpose

Pos: 030	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To allow for positive identification of transaction set purpose

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
B2A01	353	Transaction Set Purpose Code Description: Code identifying purpose of transaction set All valid standard codes are used.	M	ID	2/2	Must use
B2A02	346	Application Type Description: Code identifying an application All valid standard codes are used.	O	ID	2/2	Used

MS3 Interline Information

Pos: 040	Max: 12
Heading - Optional	
Loop: N/A	Elements: 5

User Option (Usage): Used

To identify the interline carrier and relevant data

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MS301	140	Standard Carrier Alpha Code Description: Standard Carrier Alpha Code	M	ID	2/4	Must use
MS302	133	Routing Sequence Code Description: Code describing the relationship of a carrier to a specific shipment movement All valid standard codes are used.	M	ID	1/2	Must use
MS303	19	City Name Description: Free-form text for city name	X	AN	2/30	Used
MS304	91	Transportation Method/Type Code Description: Code specifying the method or type of transportation for the shipment All valid standard codes are used.	O	ID	1/2	Used
MS305	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used

Syntax Rules:

1. C0503 - If MS305 is present, then MS303 is required.

Semantics:

1. MS301 is the Standard Carrier Alpha Code (SCAC) of the interline carrier.
2. MS303 is the city where the interline was performed.

MS2 Equipment or Container Owner and Type

Pos: 050	Max: 1
Heading - Optional	
Loop: N/A	Elements: 4

User Option (Usage): Used

To specify the owner, the identification number assigned by that owner, and the type of equipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MS201	140	Standard Carrier Alpha Code Description: Standard Carrier Alpha Code	X	ID	2/4	Used
MS202	207	Equipment Number Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	X	AN	1/10	Used
MS203	40	Equipment Description Code Description: Code identifying type of equipment used for shipment All valid standard codes are used.	O	ID	2/2	Used
MS204	761	Equipment Number Check Digit Description: Number which designates the check digit applied to a piece of equipment	O	NO	1/1	Used

Syntax Rules:

1. P0102 - If either MS201 or MS202 is present, then the other is required.
2. C0402 - If MS204 is present, then MS202 is required.

Comments:

1. MS203 identifies the type for the equipment specified in MS202.

L11 Business Instructions and Reference Number

Pos: 060	Max: 100
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

To specify instructions in this business relationship or a reference number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L1101	127	Reference Identification	X	AN	1/30	Used
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						
L1102	128	Reference Identification Qualifier	X	ID	2/3	Used
Description: Code qualifying the Reference Identification						
		<u>Code</u>		<u>Name</u>		
		06		System Number		
		BM		Bill of Lading Number		
		CO		Customer Order Number		
		L1		Letters or Notes		
		QQ		Unit Number		
		ZZ		Mutually Defined		
		PHC		Process Handling Code		
L1103	352	Description	X	AN	1/80	Used
Description: A free-form description to clarify the related data elements and their content						

Syntax Rules:

1. R0103 - At least one of L1101 or L1103 is required.
2. P0102 - If either L1101 or L1102 is present, then the other is required.

Comments:

1. L1102 = "06" contains carton count
2. L1102 = "QQ" contains the skid count
3. L1102 = "L1" contains Bill of Lading instructions and notes from FSP.
4. L1102 = "ZZ" contains the zone or region
5. L1102 = "PHC" contains the Logistics Service Code as specified by FSP.

G62 Date/Time

Pos: 070	Max: 6
Heading - Optional	
Loop: N/A	Elements: 5

User Option (Usage): Used

To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G6201	432	Date Qualifier Description: Code specifying type of date All valid standard codes are used.	X	ID	2/2	Used
G6202	373	Date Description: Date expressed as CCYYMMDD	X	DT	8/8	Used
G6203	176	Time Qualifier Description: Code specifying the reported time All valid standard codes are used.	X	ID	1/2	Used
G6204	337	Time Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X	TM	4/8	Used
G6205	623	Time Code Description: 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 All valid standard codes are used.	O	ID	2/2	Used

Syntax Rules:

1. R0103 - At least one of G6201 or G6203 is required.
2. P0102 - If either G6201 or G6202 is present, then the other is required.
3. P0304 - If either G6203 or G6204 is present, then the other is required.

AT5 Bill of Lading Handling Requirements

Pos: 080	Max: 50
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

To identify Bill of Lading handling and service requirements

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AT501	152	Special Handling Code Description: Code specifying special transportation handling instructions All valid standard codes are used.	X	ID	2/3	Not used
AT502	560	Special Services Code Description: Code identifying the special service All valid standard codes are used.	X	ID	2/10	Not used
AT503	153	Special Handling Description Description: Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate	X	AN	2/30	Used

Syntax Rules:

1. E0103 - Only one of AT501 or AT503 may be present.
2. E0203 - Only one of AT502 or AT503 may be present.

K1

Remarks

Pos: 090	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

To transmit information in a free-form format for comment or special instruction

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
K101	61	Free-Form Message Description: Free-form information	M	AN	1/30	Must use
K102	61	Free-Form Message Description: Free-form information	O	AN	1/30	Used

Loop 0100

Pos: 100	Repeat: 10
Optional	
Loop: 0100	Elements: N/A

User Option (Usage): Used

To identify a party by type of organization, name, and code

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
100	N1	Name	O	1		Used
110	N2	Additional Name Information	O	1		Not used
120	N3	Address Information	O	2		Used
130	N4	Geographic Location	O	1		Used
140	G61	Contact	O	3		Used

N1**Name**

Pos: 100	Max: 1
Heading - Optional	
Loop: 0100	Elements: 6

User Option (Usage): Used

To identify a party by type of organization, name, and code

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual All valid standard codes are used.	M	ID	2/3	Must use
N102	93	Name Description: Free-form name	X	AN	1/60	Used
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) All valid standard codes are used.	X	ID	1/2	Used
N104	67	Identification Code Description: Code identifying a party or other code	X	AN	2/80	Used
N105	706	Entity Relationship Code Description: Code describing entity relationship All valid standard codes are used.	O	ID	2/2	Used
N106	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual All valid standard codes are used.	O	ID	2/3	Used

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

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.

N2**Additional Name
Information**

Pos: 110	Max: 1
Heading - Optional	
Loop: 0100	Elements: 2

User Option (Usage): Not used

To specify additional names or those longer than 35 characters in length

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N201	93	Name Description: Free-form name	M	AN	1/60	Must use
N202	93	Name Description: Free-form name	O	AN	1/60	Used

N3 Address Information

Pos: 120	Max: 2
Heading - Optional	
Loop: 0100	Elements: 2

User Option (Usage): Used

To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information Description: Address information	M	AN	1/55	Must use
N302	166	Address Information Description: Address information	O	AN	1/55	Used

N4 Geographic Location

Pos: 130	Max: 1
Heading - Optional	
Loop: 0100	Elements: 6

User Option (Usage): Used

To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name Description: Free-form text for city name	O	AN	2/30	Used
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2	Used
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/15	Used
N404	26	Country Code Description: Code identifying the country	O	ID	2/3	Used
N405	309	Location Qualifier Description: Code identifying type of location All valid standard codes are used.	X	ID	1/2	Used
N406	310	Location Identifier Description: Code which identifies a specific location	O	AN	1/30	Used

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

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.

G61 Contact

Pos: 140	Max: 3
Heading - Optional	
Loop: 0100	Elements: 5

User Option (Usage): Used

To identify a person or office to whom communications should be directed

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G6101	366	Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named All valid standard codes are used.	M	ID	2/2	Must use
G6102	93	Name Description: Free-form name	M	AN	1/60	Must use
G6103	365	Communication Number Qualifier Description: Code identifying the type of communication number All valid standard codes are used.	X	ID	2/2	Used
G6104	364	Communication Number Description: Complete communications number including country or area code when applicable	X	AN	1/80	Used
G6105	443	Contact Inquiry Reference Description: Additional reference number or description to clarify a contact number	O	AN	1/20	Used

Syntax Rules:

1. P0304 - If either G6103 or G6104 is present, then the other is required.

Comments:

1. G6103 qualifies G6104.

Loop 0200

Pos: 010	Repeat: 9999
Mandatory	
Loop: 0200 Elements: N/A	

User Option (Usage): Must use

To reference a Bill of Lading line number

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	AT1	Bill of Lading Line Item Number	M	1		Must use
020	L11	Business Instructions and Reference Number	O	100		Used
030	AT3	Bill of Lading Rates and Charges	O	1		Used
040	AT4	Bill of Lading Description	O	99		Used
050		Loop 0210	O		1	Used
080		Loop 0220	O		999999	Used
110		Loop 0230	O		2	Used

AT1 Bill of Lading Line Item Number

Pos: 010	Max: 1
Detail - Mandatory	
Loop: 0200	Elements: 1

User Option (Usage): Must use

To reference a Bill of Lading line number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AT101	213	Lading Line Item Number	M	NO	1/3	Must use

Description: Sequential line number for a lading item

L11 Business Instructions and Reference Number

Pos: 020	Max: 100
Detail - Optional	
Loop: 0200	Elements: 3

User Option (Usage): Used

To specify instructions in this business relationship or a reference number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L1101	127	Reference Identification	X	AN	1/30	Used
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						
L1102	128	Reference Identification Qualifier	X	ID	2/3	Used
Description: Code qualifying the Reference Identification						
		Code		Name		
		DM		Associated Product Number		
		LI		Line Item Identifier (Seller's)		
		OC		Ocean Container Number		
		P7		Product Line Number		
		QK		Sales Program Number		
L1103	352	Description	X	AN	1/80	Used
Description: A free-form description to clarify the related data elements and their content						

Syntax Rules:

1. R0103 - At least one of L1101 or L1103 is required.
2. P0102 - If either L1101 or L1102 is present, then the other is required.

Comments:

1. L1102 = "DM" contains the product line
2. L1102 = "LI" contains the schedule line number
3. L1102 = "OC" contains the FSP product code
4. L1102 = "P7" contains the FSP line number
5. L1102 = "QK" contains the program name

AT3 Bill of Lading Rates and Charges

Pos: 030	Max: 1
Detail - Optional	
Loop: 0200	Elements: 7

User Option (Usage): Used

To specify Bill of Lading rates and charges

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AT301	58	Charge	M	N2	1/12	Must use
		Description: 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				
AT302	1600	Freight Rate Qualifier	X	ID	2/2	Used
		Description: Code qualifying the Bill of Lading freight rate All valid standard codes are used.				
AT303	60	Freight Rate	X	R	1/9	Used
		Description: Rate that applies to the specific commodity				
AT304	1601	Rated-as Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of quantity on which the rate is based All valid standard codes are used.				
AT305	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
AT306	1602	Bill of Lading Charge Code	X	ID	3/3	Used
		Description: Code identifying the type of Bill of Lading charge All valid standard codes are used.				
AT307	954	Percent	X	R	1/10	Used
		Description: Percentage expressed as a decimal				

Syntax Rules:

1. P0203 - If either AT302 or AT303 is present, then the other is required.
2. E020607 - Only one of AT302, AT306 or AT307 may be present.
3. R020607 - At least one of AT302, AT306 or AT307 is required.
4. P0405 - If either AT304 or AT305 is present, then the other is required.
5. C0402 - If AT304 is present, then AT302 is required.

Semantics:

1. AT301 is the charge per Bill of Lading line item.
2. AT307 is the percent discount that was used to determine the charge in AT301.

Comments:

1. AT305 is the quantity of units (miles, gallons, deficit weight, etc.) as defined by the qualifier in AT304.

AT4 Bill of Lading Description

Pos: 040	Max: 99
Detail - Optional	
Loop: 0200	Elements: 1

User Option (Usage): Used

To specify the lading description

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AT401	79	Lading Description	M	AN	1/50	Must use

Description: Description of an item as required for rating and billing purposes

Loop 0210

Pos: 050	Repeat: 1
Optional	
Loop: 0210 Elements: N/A	

User Option (Usage): Used

To specify Bill of Lading quantity, weight, and commodity classification

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
050	AT2	Bill of Lading Line Item Detail	O	1		Used
060	MAN	Marks and Numbers	O	999999		Used
070	SPO	Shipment Purchase Order Detail	O	999999		Used

AT2 Bill of Lading Line Item Detail

Pos: 050	Max: 1
Detail - Optional	
Loop: 0210	Elements: 10

User Option (Usage): Used

To specify Bill of Lading quantity, weight, and commodity classification

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AT201	80	Lading Quantity Description: Number of units (pieces) of the lading commodity	M	NO	1/7	Must use
AT202	211	Packaging Form Code Description: Code for packaging form of the lading quantity All valid standard codes are used.	M	ID	3/3	Must use
AT203	187	Weight Qualifier Description: Code defining the type of weight All valid standard codes are used.	M	ID	1/2	Must use
AT204	188	Weight Unit Code Description: Code specifying the weight unit All valid standard codes are used.	M	ID	1/1	Must use
AT205	81	Weight Description: Numeric value of weight	M	R	1/10	Must use
AT206	80	Lading Quantity Description: Number of units (pieces) of the lading commodity	X	NO	1/7	Used
AT207	211	Packaging Form Code Description: Code for packaging form of the lading quantity All valid standard codes are used.	X	ID	3/3	Used
AT208	1073	Yes/No Condition or Response Code Description: Code indicating a Yes or No condition or response All valid standard codes are used.	O	ID	1/1	Used
AT209	22	Commodity Code Description: Code describing a commodity or group of commodities	O	AN	1/30	Used
AT210	59	Freight Class Code Description: 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	Used

Syntax Rules:

1. P0607 - If either AT206 or AT207 is present, then the other is required.

Semantics:

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. AT205 is the weight of the lading quantity identified in AT201.
5. AT206 is used only if AT202 contains the codes PLT, SKD, or SLP.
6. AT206 is the total number of pieces contained on the pallets, skids or slip sheets identified in AT201.
7. AT207 is the packaging form of the units on the pallet, skid, or slip sheet identified in AT202.
8. 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.
9. AT209 is the National Motor Freight Classification Number.

MAN Marks and Numbers

Pos: 060	Max: 999999
Detail - Optional	
Loop: 0210	Elements: 6

User Option (Usage): Used

To indicate identifying marks and numbers for shipping containers

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MAN01	88	Marks and Numbers Qualifier	M	ID	1/2	Must use
		Description: Code specifying the application or source of Marks and Numbers (87) All valid standard codes are used.				
MAN02	87	Marks and Numbers	M	AN	1/48	Must use
		Description: Marks and numbers used to identify a shipment or parts of a shipment				
MAN03	87	Marks and Numbers	O	AN	1/48	Used
		Description: Marks and numbers used to identify a shipment or parts of a shipment				
MAN04	88	Marks and Numbers Qualifier	X	ID	1/2	Used
		Description: Code specifying the application or source of Marks and Numbers (87) All valid standard codes are used.				
MAN05	87	Marks and Numbers	X	AN	1/48	Used
		Description: Marks and numbers used to identify a shipment or parts of a shipment				
MAN06	87	Marks and Numbers	O	AN	1/48	Used
		Description: Marks and numbers used to identify a shipment or parts of a shipment				

Syntax Rules:

1. P0405 - If either MAN04 or MAN05 is present, then the other is required.
2. C0605 - If MAN06 is present, then MAN05 is required.

Semantics:

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.

Comments:

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.

SPO Shipment Purchase Order Detail

Pos: 070	Max: 999999
Detail - Optional	
Loop: 0210	Elements: 8

User Option (Usage): Used

To specify the purchase order details for a shipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SPO01	324	Purchase Order Number	M	AN	1/22	Must use
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser				
SPO02	127	Reference Identification	O	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
SPO03	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
SPO04	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SPO05	188	Weight Unit Code	X	ID	1/1	Used
		Description: Code specifying the weight unit All valid standard codes are used.				
SPO06	81	Weight	X	R	1/10	Used
		Description: Numeric value of weight				
SPO07	647	Application Error Condition Code	O	ID	1/3	Used
		Description: Code indicating application error condition All valid standard codes are used.				
SPO08	127	Reference Identification	O	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

1. P0304 - If either SPO03 or SPO04 is present, then the other is required.
2. P0506 - If either SPO05 or SPO06 is present, then the other is required.

Semantics:

1. SPO02 is the department number.
2. SPO04 is the total quantity for the purchase order.
3. SPO06 is the total weight for the purchase order.
4. SPO07 indicates the data error condition relative to the shipment management information.
5. SPO08 is used to specify sorting and/or segregating reference numbers for each receiving location (processing area).

Loop 0220

Pos: 080	Repeat: 999999
Optional	
Loop: 0220 Elements: N/A	

User Option (Usage): Used

To reference a line number in a transaction set

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
080	LX	Assigned Number	O	1		Used
090	MAN	Marks and Numbers	O	999999		Used
100	SPO	Shipment Purchase Order Detail	O	999999		Used

LX Assigned Number

Pos: 080	Max: 1
Detail - Optional	
Loop: 0220	Elements: 1

User Option (Usage): Used

To reference a line number in a transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LX01	554	Assigned Number	M	NO	1/6	Must use

Description: Number assigned for differentiation within a transaction set

MAN Marks and Numbers

Pos: 090	Max: 999999
Detail - Optional	
Loop: 0220	Elements: 6

User Option (Usage): Used

To indicate identifying marks and numbers for shipping containers

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MAN01	88	Marks and Numbers Qualifier	M	ID	1/2	Must use
		Description: Code specifying the application or source of Marks and Numbers (87) All valid standard codes are used.				
MAN02	87	Marks and Numbers	M	AN	1/48	Must use
		Description: Marks and numbers used to identify a shipment or parts of a shipment				
MAN03	87	Marks and Numbers	O	AN	1/48	Used
		Description: Marks and numbers used to identify a shipment or parts of a shipment				
MAN04	88	Marks and Numbers Qualifier	X	ID	1/2	Used
		Description: Code specifying the application or source of Marks and Numbers (87) All valid standard codes are used.				
MAN05	87	Marks and Numbers	X	AN	1/48	Used
		Description: Marks and numbers used to identify a shipment or parts of a shipment				
MAN06	87	Marks and Numbers	O	AN	1/48	Used
		Description: Marks and numbers used to identify a shipment or parts of a shipment				

Syntax Rules:

1. P0405 - If either MAN04 or MAN05 is present, then the other is required.
2. C0605 - If MAN06 is present, then MAN05 is required.

Semantics:

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.

Comments:

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.

SPO Shipment Purchase Order Detail

Pos: 100	Max: 999999
Detail - Optional	
Loop: 0220	Elements: 8

User Option (Usage): Used

To specify the purchase order details for a shipment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SPO01	324	Purchase Order Number	M	AN	1/22	Must use
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser				
SPO02	127	Reference Identification	O	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
SPO03	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
SPO04	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
SPO05	188	Weight Unit Code	X	ID	1/1	Used
		Description: Code specifying the weight unit All valid standard codes are used.				
SPO06	81	Weight	X	R	1/10	Used
		Description: Numeric value of weight				
SPO07	647	Application Error Condition Code	O	ID	1/3	Used
		Description: Code indicating application error condition All valid standard codes are used.				
SPO08	127	Reference Identification	O	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

1. P0304 - If either SPO03 or SPO04 is present, then the other is required.
2. P0506 - If either SPO05 or SPO06 is present, then the other is required.

Semantics:

1. SPO02 is the department number.
2. SPO04 is the total quantity for the purchase order.
3. SPO06 is the total weight for the purchase order.
4. SPO07 indicates the data error condition relative to the shipment management information.
5. SPO08 is used to specify sorting and/or segregating reference numbers for each receiving location (processing area).

Loop 0230

Pos: 110	Repeat: 2
Optional	
Loop: 0230	Elements: N/A

User Option (Usage): Used

To identify a person or office to whom communications should be directed

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
110	G61	Contact	O	1		Used
120	L11	Business Instructions and Reference Number	O	5		Used
130	LH6	Hazardous Certification	O	6		Used
140		Loop 0231	M		25	Must use

G61 Contact

Pos: 110	Max: 1
Detail - Optional	
Loop: 0230	Elements: 5

User Option (Usage): Used

To identify a person or office to whom communications should be directed

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
G6101	366	Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named All valid standard codes are used.	M	ID	2/2	Must use
G6102	93	Name Description: Free-form name	M	AN	1/60	Must use
G6103	365	Communication Number Qualifier Description: Code identifying the type of communication number All valid standard codes are used.	X	ID	2/2	Used
G6104	364	Communication Number Description: Complete communications number including country or area code when applicable	X	AN	1/80	Used
G6105	443	Contact Inquiry Reference Description: Additional reference number or description to clarify a contact number	O	AN	1/20	Used

Syntax Rules:

1. P0304 - If either G6103 or G6104 is present, then the other is required.

Comments:

1. G6103 qualifies G6104.

L11 Business Instructions and Reference Number

Pos: 120	Max: 5
Detail - Optional	
Loop: 0230	Elements: 3

User Option (Usage): Used

To specify instructions in this business relationship or a reference number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L1101	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
L1102	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
L1103	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				

Syntax Rules:

1. R0103 - At least one of L1101 or L1103 is required.
2. P0102 - If either L1101 or L1102 is present, then the other is required.

LH6 Hazardous Certification

Pos: 130	Max: 6
Detail - Optional	
Loop: 0230	Elements: 4

User Option (Usage): Used

To specify the name of the person certifying that the shipment complies with the regulations and/or the actual certification

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LH601	93	Name Description: Free-form name	O	AN	1/60	Used
LH602	272	Hazardous Certification Code Description: Code indicating the form of the hazardous certification All valid standard codes are used.	X	ID	1/1	Used
LH603	273	Hazardous Certification Declaration Description: Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations	X	AN	1/25	Used
LH604	273	Hazardous Certification Declaration Description: Hazardous material certification verbiage as required by Title 49 of Code of Federal Regulations	O	AN	1/25	Used

Syntax Rules:

1. P0203 - If either LH602 or LH603 is present, then the other is required.

Loop 0231

Pos: 140	Repeat: 25
Mandatory	
Loop: 0231 Elements: N/A	

User Option (Usage): Must use

To specify the hazardous commodity identification reference number and quantity

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
140	LH1	Hazardous Identification Information	M	1		Must use
150	LH2	Hazardous Classification Information	O	4		Used
160	LH3	Hazardous Material Shipping Name	O	10		Used
170	LFH	Freeform Hazardous Material Information	O	20		Used
180	LEP	EPA Required Data	O	3		Used
190	LH4	Canadian Dangerous Requirements	O	1		Used
200	LHT	Transborder Hazardous Requirements	O	3		Used
210	L11	Business Instructions and Reference Number	O	5		Used

LH1 Hazardous Identification Information

Pos: 140	Max: 1
Detail - Mandatory	
Loop: 0231	Elements: 11

User Option (Usage): Must use

To specify the hazardous commodity identification reference number and quantity

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LH101	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
LH102	80	Lading Quantity	M	NO	1/7	Must use
		Description: Number of units (pieces) of the lading commodity				
LH103	277	UN/NA Identification Code	O	ID	6/6	Used
		Description: 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	AN	1/6	Used
		Description: The United Nations page number as required for the international transport of hazardous materials				
LH105	22	Commodity Code	O	AN	1/30	Used
		Description: Code describing a commodity or group of commodities				
LH106	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
LH107	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				
LH108	595	Compartment ID Code	O	ID	1/1	Used
		Description: Code identifying the compartment in a compartmentalized tank car All valid standard codes are used.				
LH109	665	Residue Indicator Code	O	ID	1/1	Used
		Description: Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded All valid standard codes are used.				
LH110	254	Packing Group Code	O	ID	1/3	Used
		Description: Code indicating degree of danger in terms of Roman number I, II or III				
LH111	1375	Interim Hazardous Material Regulatory Number	O	AN	1/5	Used
		Description: Identifies the current regulatory version number used for hazardous materials shipments				

Comments:

1. LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.
2. LH106 and LH107 are used to convey the quantity or volume and unit of measure for nonbulk shipments only.
3. In LH109, a value of "R" or "P" requires that the receiver generate the words "residue: last contained" prior to the shipping name in accordance with regulations.

LH2 Hazardous Classification Information

Pos: 150	Max: 4
Detail - Optional	
Loop: 0231	Elements: 11

User Option (Usage): Used

To specify the hazardous notation and endorsement information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LH201	215	Hazardous Classification	O	ID	1/30	Used
		Description: The hazardous classification corresponding to the shipping name of the hazardous commodity				
LH202	983	Hazardous Class Qualifier	O	ID	1/1	Used
		Description: Code qualifying hazardous class All valid standard codes are used.				
LH203	218	Hazardous Placard Notation	O	ID	14/40	Used
		Description: The placard notation corresponding to the hazard class of the hazardous commodity				
LH204	222	Hazardous Endorsement	O	ID	4/25	Used
		Description: The placard endorsement that is to be shown on the shipping papers for the hazardous commodity				
LH205	759	Reportable Quantity Code	O	ID	2/2	Used
		Description: Code to identify presence of hazardous substance All valid standard codes are used.				
LH206	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
LH207	408	Temperature	X	R	1/4	Used
		Description: Temperature				
LH208	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
LH209	408	Temperature	X	R	1/4	Used
		Description: Temperature				
LH210	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
LH211	408	Temperature	X	R	1/4	Used
		Description: Temperature				

Syntax Rules:

1. P0607 - If either LH206 or LH207 is present, then the other is required.
2. P0809 - If either LH208 or LH209 is present, then the other is required.
3. P1011 - If either LH210 or LH211 is present, then the other is required.

Semantics:

1. LH206 and LH207 indicate the flashpoint temperature.
2. LH208 and LH209 indicate the control temperature.
3. LH210 and LH211 indicate the emergency temperature.

LH3 Hazardous Material Shipping Name

Pos: 160	Max: 10
Detail - Optional	
Loop: 0231	Elements: 4

User Option (Usage): Used

To specify the hazardous material shipping name and additional descriptive requirements

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LH301	224	Hazardous Material Shipping Name	X	AN	1/25	Used
		Description: The proper shipping name of the hazardous commodity as specified by the Code of Federal Regulations, Title 49				
LH302	984	Hazardous Material Shipping Name Qualifier	X	ID	1/1	Used
		Description: Qualifier indicating the source (regulatory) of the proper shipping name All valid standard codes are used.				
LH303	985	N.O.S. Indicator Code	O	ID	3/3	Used
		Description: Code indicating the type of regulatory requirements that apply to a description; N.O.S. stands for Not Otherwise Specified All valid standard codes are used.				
LH304	1073	Yes/No Condition or Response Code	O	ID	1/1	Used
		Description: Code indicating a Yes or No condition or response All valid standard codes are used.				

Syntax Rules:

1. P0102 - If either LH301 or LH302 is present, then the other is required.

Semantics:

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.

LFH Freeform Hazardous Material Information

Pos: 170	Max: 20
Detail - Optional	
Loop: 0231	Elements: 7

User Option (Usage): Used

To uniquely identify the variable information required by government regulation covering the transportation of hazardous material shipments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LFH01	808	Hazardous Material Shipment Information Qualifier	M	ID	3/3	Must use
		Description: Qualifier indicating the type of information being passed so that a receiver may format a description of hazardous commodity movements that meets regulatory requirements All valid standard codes are used.				
LFH02	809	Hazardous Material Shipment Information	M	AN	1/25	Must use
		Description: Specific information required by law for hazardous material shipments				
LFH03	809	Hazardous Material Shipment Information	O	AN	1/25	Used
		Description: Specific information required by law for hazardous material shipments				
LFH04	1023	Hazard Zone Code	O	ID	1/1	Used
		Description: Code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone All valid standard codes are used.				
LFH05	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				
LFH06	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
LFH07	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				

Syntax Rules:

1. P0506 - If either LFH05 or LFH06 is present, then the other is required.

Semantics:

1. LFH06 indicates activity of the radioactive material.
2. LFH07 indicates transport index of the radioactive material.

LEP EPA Required Data

Pos: 180	Max: 3
Detail - Optional	
Loop: 0231	Elements: 4

User Option (Usage): Used

To specify the Environmental Protection Agency (EPA) information relating to shipments of hazardous material

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LEP01	806	EPA Waste Stream Number Code Description: Waste stream number applicable to the movement of hazardous waste as determined by government regulations	O	ID	4/6	Used
LEP02	807	Waste Characteristics Code Description: Waste characteristics as defined by regulatory requirements	O	ID	12/16	Used
LEP03	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	X	ID	2/2	Used
LEP04	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X	AN	1/30	Used

Syntax Rules:

1. P0304 - If either LEP03 or LEP04 is present, then the other is required.

Semantics:

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.

LH4 Canadian Dangerous Requirements

Pos: 190	Max: 1
Detail - Optional	
Loop: 0231	Elements: 12

User Option (Usage): Used

To specify additional Transport Canada requirements covering transportation of dangerous goods in Canada

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LH401	238	Emergency Response Plan Number	O	AN	1/12	Used
		Description: The identity number of a specific hazardous emergency response plan that is assigned by the Director General of Canada				
LH402	364	Communication Number	O	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
LH403	254	Packing Group Code	O	ID	1/3	Used
		Description: Code indicating degree of danger in terms of Roman number I, II or III				
LH404	230	Subsidiary Classification	O	ID	1/3	Used
		Description: 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	ID	1/3	Used
		Description: 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	ID	1/3	Used
		Description: 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	ID	1/2	Used
		Description: Code identifying the type of subsidiary risk All valid standard codes are used.				
LH408	267	Net Explosive Quantity	X	N0	1/6	Used
		Description: Net weight of the explosive quantity of the hazardous commodity				
LH409	805	Canadian Hazardous Notation	O	AN	1/25	Used
		Description: Notation required by Canadian regulatory agencies				
LH410	986	Special Commodity Indicator Code	O	ID	1/1	Used
		Description: Code indicating 'Special Commodity' notation on operational waybill as identified by the Transportation of Dangerous Goods Act and Regulation (TDG) All valid standard codes are used.				
LH411	364	Communication Number	O	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
LH412	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used.				

Syntax Rules:

1. P0812 - If either LH408 or LH412 is present, then the other is required.

Semantics:

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.

LHT Transborder Hazardous Requirements

Pos: 200	Max: 3
Detail - Optional	
Loop: 0231	Elements: 3

User Option (Usage): Used

To specify the placard information required by the second government agency when shipment is to cross into another country

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LHT01	215	Hazardous Classification	O	ID	1/30	Used
		Description: The hazardous classification corresponding to the shipping name of the hazardous commodity				
LHT02	218	Hazardous Placard Notation	O	ID	14/40	Used
		Description: The placard notation corresponding to the hazard class of the hazardous commodity				
LHT03	222	Hazardous Endorsement	O	ID	4/25	Used
		Description: The placard endorsement that is to be shown on the shipping papers for the hazardous commodity				

L11 Business Instructions and Reference Number

Pos: 210	Max: 5
Detail - Optional	
Loop: 0231	Elements: 3

User Option (Usage): Used

To specify instructions in this business relationship or a reference number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L1101	127	Reference Identification	X	AN	1/30	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
L1102	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification All valid standard codes are used.				
L1103	352	Description	X	AN	1/80	Used
		Description: A free-form description to clarify the related data elements and their content				

Syntax Rules:

1. R0103 - At least one of L1101 or L1103 is required.
2. P0102 - If either L1101 or L1102 is present, then the other is required.

SE**Transaction Set Trailer**

Pos: 220	Max: 1
Detail - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	N0	1/10	Must use
Description: Total number of segments included in a transaction set including ST and SE segments						
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

Comments:

1. SE is the last segment of each transaction set.