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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
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
060	L11	Business Instructions and Reference Number	O	100			Used
070	G62	Date/Time	O	6			Used
LOOP ID - 0100					**10**	**N1/100L**	
100	N1	Name	O	1		N1/100	Must use
120	N3	Address Information	O	2			Used
130	N4	Geographic Location	O	1			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - 0200					**9999**	**N2/010L**	
010	AT1	Bill of Lading Line Item Number	M	1		N2/010	Must use
040	AT4	Bill of Lading Description	O	99		N2/040	Must use
LOOP ID - 0210					**1**	**N2/050L**	
050	AT2	Bill of Lading Line Item Detail	O	1		N2/050	Used
070	SPO	Shipment Purchase Order Detail	O	999999		N2/070	Must use
LOOP ID - 0230					**2**	**N2/110L**	
LOOP ID - 0231					**25**		
140	LH1	Hazardous Identification Information	M	1		N2/140	Used
220	SE	Transaction Set Trailer	M	1			Must use

Notes:

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.

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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.

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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.

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2/070   The SPO segment provides the purchase order numbers and details associated with the line item details included in the AT2 segment.

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.

2/140   Hazardous information should be included when applicable.

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.**

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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: 5

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BOL01	140	**Standard Carrier Alpha Code**	M	ID	2/4	Must use

Description: Standard Carrier Alpha Code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BOL02	146	**Shipment Method of Payment**	M	ID	2/2	Must use

Description: Code identifying payment terms for transportation charges
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BOL03	145	**Shipment Identification Number**	M	AN	1/30	Must use

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)
User Note 1: *Bill of lading number.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BOL04	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BOL05	337	**Time**	O	TM	4/8	Used

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)

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: 1**

User Option (Usage): Must use

To allow for positive identification of transaction set purpose

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B2A01	353	**Transaction Set Purpose Code**	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

Code **Name**
00   Original

L11   Business Instructions and Reference Number

Pos: 060	**Max: 100**
Heading - Optional	
Loop: N/A	**Elements: 2**

User Option (Usage): Used

To specify instructions in this business relationship or a reference number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L1102	128	**Reference Identification Qualifier**	X	ID	2/3	Used

        Description: Code qualifying the Reference Identification

Code	Name
CN	Carrier's Reference Number (PRO/Invoice)
MB	Master Bill of Lading

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.

G62 Date/Time

Pos: 070	Max: 6
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6201	432	**Date Qualifier**	X	ID	2/2	Used

        Description: Code specifying type of date

Code	Name
10	Requested Ship Date/Pick-up Date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G6202	373	**Date**	X	DT	8/8	Used

        Description: Date expressed as CCYYMMDD

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.

N1   Name

Pos: 100	Max: 1
Heading - Optional	
Loop: 0100	**Elements: 4**

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual

Code	Name
BT	Bill-to-Party
CN	Consignee
SH	Shipper

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	Used

Description: Code designating the system/method of code structure used for Identification Code (67)

Code	Name
94	Code assigned by the organization that is the ultimate destination of the transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	X	AN	2/5	Used

Description: Code identifying a party or other code

User Note 1: *Lowe's DC or store number*

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.

User Note 1:

Consignee and Shipper information is required. Bill-To is used where applicable.

User Note 2:

N103 and N104 only used to identify a Lowe's DC or store number.

N3 Address Information

Pos: 120	**Max: 2**
Heading - Optional	
Loop: 0100	**Elements: 1**

User Option (Usage): Used

To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	Must use

        Description: Address information

N4 Geographic Location

Pos: 130	Max: 1
Heading - Optional	
Loop: 0100	Elements: 4

User Option (Usage): Used

To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Used

    Description: Free-form text for city name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N402	156	**State or Province Code**	O	ID	2/2	Used

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N403	116	**Postal Code**	O	ID	3/15	Used

    Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N404	26	**Country Code**	O	ID	2/3	Used

    Description: Code identifying the country

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.

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT101	213	**Lading Line Item Number**	M	N0	1/3	Must use

Description: Sequential line number for a lading item

AT4   Bill of Lading Description

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

User Option (Usage): Must use

To specify the lading description

Element Summary:

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

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

AT2 Bill of Lading Line Item Detail

<table>
<tr><td>Pos: 050</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: 0210</td><td>Elements: 8</td></tr>
</table>

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT201	80	**Lading Quantity**	M	N0	1/7	Must use

Description: Number of units (pieces) of the lading commodity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT202	211	**Packaging Form Code**	M	ID	3/3	Must use

Description: Code for packaging form of the lading quantity

Code	Name
BAL	Bale
BDL	Bundle
CTN	Carton
KIT	Kit
PLT	Pallet
RCK	Rack
ROL	Roll

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT203	187	**Weight Qualifier**	M	ID	1/2	Must use

Description: Code defining the type of weight

Code	Name
G	Gross Weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT204	188	**Weight Unit Code**	M	ID	1/1	Must use

Description: Code specifying the weight unit

Code	Name
L	Pounds

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT205	81	**Weight**	M	R	1/10	Must use

Description: Numeric value of weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT206	80	**Lading Quantity**	X	N0	1/7	Used

Description: Number of units (pieces) of the lading commodity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AT207	211	**Packaging Form Code**	X	ID	3/3	Used

Description: Code for packaging form of the lading quantity

Code	Name
BAL	Bale
BDL	Bundle
CTN	Carton

	Code	**Name**
	PLT	Pallet
	RCK	Rack
	UNT	Unit

AT209	22	**Commodity Code**	O	AN	1/30	Used

Description: Code describing a commodity or group of commodities

User Note 1: *NMAC Commodity Code*

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.

SPO Shipment Purchase Order Detail

Pos: 070	**Max: 999999**
Detail - Optional	
Loop: 0210	**Elements: 5**

User Option (Usage): Must use

To specify the purchase order details for a shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SPO01	324	**Purchase Order Number**	M	AN	1/9	Must use

Description: Identifying number for Purchase Order assigned by the orderer/purchaser

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Code	Name
BA	Bale
BD	Bundle
BG	Bag
CT	Carton
EA	Each
PL	Pallet/Unit Load
RA	Rack
RL	Roll

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SPO04	380	**Quantity**	X	R	1/15	Used

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SPO05	188	**Weight Unit Code**	X	ID	1/1	Used

Description: Code specifying the weight unit

Code	Name
L	Pounds

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SPO06	81	**Weight**	X	R	1/10	Used

Description: Numeric value of weight

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).

LH1 Hazardous Identification Information

Pos: 140   **Max: 1**
Detail - Mandatory
Loop: 0231   Elements: 5

User Option (Usage): Used

To specify the hazardous commodity identification reference number and quantity

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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	N0	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

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.

User Note 1:

LH1 segment is used where applicable.

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.