



211 Motor Carrier Bill of Lading

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Notes:	

Development Platform Software provided by



"The Quality and Compliance Company®"

Edifecs' SpecBuilder 6.5
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211

Motor Carrier Bill of Lading

Functional Group=BL

Purpose: This X12 Transaction Set 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, pickup manifest, or appointment scheduling.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ST	Transaction Set Header	M	1			Must use
0200	BOL	Beginning Segment for the Motor Carrier Bill of Lading	M	1			Must use
0300	B2A	Set Purpose	M	1			Must use
0600	L11	Business Instructions and Reference Number	O	100			Used
0900	G62	Date/Time	O	1		N1/0900	Used
LOOP ID - 0100					10	N1/1000L	
1000	N1	Party Identification	O	1		N1/1000	Used
1100	N2	Additional Name Information	O	1			Used
1200	N3	Party Location	O	2			Used
1300	N4	Geographic Location	O	1			Used
1400	G61	Contact	O	3			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - 0200					9999	N2/0100L	
0100	AT1	Bill of Lading Line Item Number	M	1		N2/0100	Must use
0400	AT4	Bill of Lading Description	O	99		N2/0400	Used
LOOP ID - 0210					1	N2/0500L	
0500	AT2	Bill of Lading Line Item Detail	O	1		N2/0500	Used
2200	SE	Transaction Set Trailer	M	1			Must use

Notes:

- 1/0900 Segment G62 in header is used to convey the must-respond-by date and time when responding to a 204 transaction.
- 1/1000L 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.
- 1/1000 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.
- 2/0100L 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 cannot be broken out by line item detail.
- 2/0100 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 cannot be broken out by line item detail.
- 2/0400 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.

2/0500L 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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ST Transaction Set Header

Pos: 0100	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 3

User Option (Usage): Must use

Purpose: 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						
		<u>Code</u>	<u>Name</u>			
		211	Motor Carrier Bill of Lading			
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						
ST03	1705	Implementation Convention Reference	O	AN	1/35	Used
Description: Reference assigned to identify Implementation Convention						

Semantics:

1. The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

BOL Beginning Segment for the Motor Carrier Bill of Lading

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 3

User Option (Usage): Must use

Purpose: 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	M	ID	2/4	Must use
Description: Standard Carrier Alpha Code						
User Note 1: UPGF - UPS (ground) Freight						
RBTW - C.H. Robinson						
YFSY - Yellow Freight						
BOL02	146	Shipment Method of Payment	M	ID	2/2	Must use
Description: Code identifying payment terms for transportation charges						
		<u>Code</u>		<u>Name</u>		
		CC		Collect		
		PP		Prepaid (by Seller)		
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)						

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: 0300	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 1

User Option (Usage): Must use

Purpose: 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	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

<u>Code</u>	<u>Name</u>
-------------	-------------

00	Original
----	----------

01	Cancellation
----	--------------

User Note 1:

When cancelling use the complete document as would be sent initially to ensure that the request has been cancelled in its entirety.

04	Change
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User Note 1:

*Change by refresh, must re-send the entire document
C.H. Robinson, UPS Freight
Yellow does not accept changes*

L11 Business Instructions and Reference Number

Pos: 0600	Max: 100
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: 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	1/80	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			
		CN	Carrier's Reference Number (PRO/Invoice)			
		DP	Department Number			
		IA	Internal Vendor Number			
		IK	Invoice Number			
		IV	Seller's Invoice Number			
		MA	Ship Notice/Manifest Number			
		MB	Master Bill of Lading			
		PK	Packing List Number			
		PO	Purchase Order Number			

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.

Semantics:

1. L1104 contains data relating to the qualifier cited in L1102.
2. L1105 indicates if the reference numbers included in this transmission were transmitted to the carrier in electronic format or key entered by the carrier. A "Y" indicates the carrier utilized the electronic shipper supplied reference information to create this document. An "N" indicates the carrier key entered the reference information from a shipper supplied document.

G62 Date/Time

Pos: 0900	Max: 1
Heading - Optional	
Loop: N/A	Elements: 5

User Option (Usage): Used

Purpose: 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	X	ID	2/2	Used
Description: Code specifying type of date						
		<u>Code</u>		<u>Name</u>		
		10		Requested Ship Date/Pickup Date		
		37		Ship Not Before Date		
		38		Ship Not Later Than Date		
		68		Requested Delivery Date		
G6202	373	Date	X	DT	8/8	Used
Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year						
G6203	176	Time Qualifier	X	ID	1/2	Used
Description: Code specifying the reported time						
		<u>Code</u>		<u>Name</u>		
		U		Scheduled Pickup Time		
		Y		Requested Pickup Time		
		EP		Earliest Pickup Time		
		LP		Latest Pickup Time		
G6204	337	Time	X	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)						
G6205	623	Time Code	O	ID	2/2	Used
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						
		<u>Code</u>		<u>Name</u>		
		AD		Alaska Daylight Time		
		AS		Alaska Standard Time		
		AT		Alaska Time		
		CD		Central Daylight Time		
		CS		Central Standard Time		
		CT		Central Time		
		ED		Eastern Daylight Time		
		ES		Eastern Standard Time		
		ET		Eastern Time		
		LT		Local Time		
		MD		Mountain Daylight Time		
		MS		Mountain Standard Time		
		MT		Mountain Time		

ND	Newfoundland Daylight Time
NS	Newfoundland Standard Time
NT	Newfoundland Time
PD	Pacific Daylight Time
PS	Pacific Standard Time
PT	Pacific Time
TD	Atlantic Daylight Time
TS	Atlantic Standard Time
TT	Atlantic Time

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.

Loop Party Identification

Pos: 1000	Repeat: 10
Optional	
Loop: 0100	Elements: N/A

User Option (Usage): Used

Purpose: 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>
1000	N1	Party Identification	O	1		Used
1100	N2	Additional Name Information	O	1		Used
1200	N3	Party Location	O	2		Used
1300	N4	Geographic Location	O	1		Used
1400	G61	Contact	O	3		Used

N1 Party Identification

Pos: 1000	Max: 1
Heading - Optional	
Loop: 0100	Elements: 6

User Option (Usage): Used

Purpose: 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	M	ID	2/3	Must use
		Description: Code identifying an organizational entity, a physical location, property or an individual All valid standard codes are used.				
N102	93	Name	X	AN	1/60	Used
		Description: Free-form name				
N103	66	Identification Code Qualifier	X	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67) All valid standard codes are used.				
N104	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				
N105	706	Entity Relationship Code	O	ID	2/2	Used
		Description: Code describing entity relationship All valid standard codes are used.				
N106	98	Entity Identifier Code	O	ID	2/3	Used
		Description: Code identifying an organizational entity, a physical location, property or an individual All valid standard codes are 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: 1100	Max: 1
Heading - Optional	
Loop: 0100	Elements: 2

User Option (Usage): Used**Purpose:** To specify additional names**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	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	Name	O	AN	1/60	Used
		Description: Free-form name				

N3**Party Location**

Pos: 1200	Max: 2
Heading - Optional	
Loop: 0100	Elements: 2

User Option (Usage): Used**Purpose:** 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	M	AN	1/55	Must use
		Description: Address information				
N302	166	Address Information	O	AN	1/55	Used
		Description: Address information				

N4 Geographic Location

Pos: 1300	Max: 1
Heading - Optional	
Loop: 0100	Elements: 7

User Option (Usage): Used

Purpose: 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	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	State or Province Code	X	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
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)				
N404	26	Country Code	X	ID	2/3	Used
		Description: Code identifying the country				
N405	309	Location Qualifier	X	ID	1/2	Used
		Description: Code identifying type of location All valid standard codes are used.				
N406	310	Location Identifier	O	AN	1/30	Used
		Description: Code which identifies a specific location				
N407	1715	Country Subdivision Code	X	ID	1/3	Used
		Description: Code identifying the country subdivision				

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.

G61 Contact

Pos: 1400	Max: 3
Heading - Optional	
Loop: 0100	Elements: 5

User Option (Usage): Used

Purpose: 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	M	ID	2/2	Must use
Description: Code identifying the major duty or responsibility of the person or group named All valid standard codes are used.						
G6102	93	Name	M	AN	1/60	Must use
Description: Free-form name						
G6103	365	Communication Number Qualifier	X	ID	2/2	Used
Description: Code identifying the type of communication number All valid standard codes are used.						
G6104	364	Communication Number	X	AN	1/256	Used
Description: Complete communications number including country or area code when applicable						
G6105	443	Contact Inquiry Reference	O	AN	1/20	Used
Description: Additional reference number or description to clarify a contact number						

Syntax Rules:

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

Comments:

1. G6103 qualifies G6104.

Loop Bill of Lading Line Item Number

Pos: 0100 Repeat: 9999
Mandatory
Loop: 0200 Elements: N/A

User Option (Usage): Must use

Purpose: 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>
0100	AT1	Bill of Lading Line Item Number	M	1		Must use
0400	AT4	Bill of Lading Description	O	99		Used
0500		Loop 0210	O		1	Used

AT1 Bill of Lading Line Item Number

Pos: 0100	Max: 1
Detail - Mandatory	
Loop: 0200	Elements: 1

User Option (Usage): Must use

Purpose: 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	N0	1/3	Must use

Description: Sequential line number for a lading item

AT4 Bill of Lading Description

Pos: 0400	Max: 99
Detail - Optional	
Loop: 0200	Elements: 1

User Option (Usage): Used

Purpose: 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 Bill of Lading Line Item Detail

Pos: 0500	Repeat: 1
Optional	
Loop: 0210	Elements: N/A

User Option (Usage): Used

Purpose: To specify Bill of Lading quantity, weight, commodity classification and other details.

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>
0500	AT2	Bill of Lading Line Item Detail	O	1		Used

AT2 Bill of Lading Line Item Detail

Pos: 0500	Max: 1
Detail - Optional	
Loop: 0210	Elements: 9

User Option (Usage): Used

Purpose: To specify Bill of Lading quantity, weight, commodity classification and other details.

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	X	N0	1/7	Used
		Description: Number of units (pieces) of the lading commodity				
AT202	211	Packaging Form Code	X	ID	3/3	Used
		Description: Code for packaging form of the lading quantity				
		<u>Code</u>		<u>Name</u>		
		CTN		Carton		
		PLT		Pallet		
AT203	187	Weight Qualifier	M	ID	1/2	Must use
		Description: Code defining the type of weight				
		<u>Code</u>		<u>Name</u>		
		G		Gross Weight		
AT204	188	Weight Unit Code	M	ID	1/1	Must use
		Description: Code specifying the weight unit				
		<u>Code</u>		<u>Name</u>		
		L		Pounds		
AT205	81	Weight	M	R	1/10	Must use
		Description: Numeric value of weight				
AT206	80	Lading Quantity	X	N0	1/7	Used
		Description: Number of units (pieces) of the lading commodity				
AT207	211	Packaging Form Code	X	ID	3/3	Used
		Description: Code for packaging form of the lading quantity				
		<u>Code</u>		<u>Name</u>		
		CTN		Carton		
AT209	22	Commodity Code	O	AN	1/30	Used
		Description: Code describing a commodity or group of commodities				
		User Note 1: NMFC - National Freight Motor Carrier Code				
		61530 = Books				
AT210	59	Freight Class Code	O	AN	2/5	Used
		Description: Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.				

Syntax Rules:

1. P0102 - If either AT201 or AT202 is present, then the other is required.
2. P0607 - If either AT206 or AT207 is present, then the other is required.
3. P1314 - If either AT213 or AT214 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. 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.

SE Transaction Set Trailer

Pos: 2200	Max: 1
Detail - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

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.