HUBBELL INC.

EDI X.12 SPECIFICATIONS
211 Motor Carrier Bill of Lading
v.4010

v.1.1
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211 Motor Carrier Bill of Lading

Functional Group ID=**BL**

Introduction:

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. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	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		
	050	MS2	Equipment or Container Owner and Type	O	1		n1
	060	L11	Business Instructions and Reference Number	O	100		
	070	G62	Date/Time	O	6		
	090	K1	Remarks	O	10		
	LOOP ID - 0100					10	
	100	N1	Name	O	1		n2
	120	N3	Address Information	O	2		
	130	N4	Geographic Location	O	1		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
	LOOP ID - 0200					9999	
Must Use	010	AT1	Bill of Lading Line Item Number	M	1		n3
	020	L11	Business Instructions and Reference Number	O	100		
	040	AT4	Bill of Lading Description	O	99		n4
	LOOP ID - 0210					1	
	050	AT2	Bill of Lading Line Item Detail	O	1		n5
	070	SPO	Shipment Purchase Order Detail	O	999999		n6
Must Use	220	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The MS2 segment is used to provide the carrier with the trailer number of the trailer that has the shipment on it.
2. 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.
3. 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.

4. 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.
5. 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.
6. The SPO segment provides the purchase order numbers and details associated with the line item details included in the AT2 segment.

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

Segment: **ST** **Transaction Set Header**
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: **1**   The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
>> **ST01**	**143**	**Transaction Set Identifier Code**	**M** **ID 3/3**
		Code uniquely identifying a Transaction Set	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
>> **ST02**	**329**	**Transaction Set Control Number**	**M** **AN 4/9**
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

Segment:		**BOL** Beginning Segment for the Motor Carrier Bill of Lading		
Position:		020		
Loop:				
Level:		Heading		
Usage:		Mandatory		
Max Use:		1		
Purpose:		To transmit identifying numbers, dates, and other basic data related to the transaction set		
Syntax Notes:				
Semantic Notes:		**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.	
Comments:				

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**BOL01**	**140**	**Standard Carrier Alpha Code**	**M ID 2/4**
			Standard Carrier Alpha Code	
>>	**BOL02**	**146**	**Shipment Method of Payment**	**M ID 2/2**
			Code identifying payment terms for transportation charges	
			CC Collect	
			CD Collect on Delivery	
			PA Advance Prepaid	
			PP Prepaid (by Seller)	
>>	**BOL03**	**145**	**Shipment Identification Number**	**M AN 1/30**
			Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	
>>	**BOL04**	**373**	**Date**	**M DT 8/8**
			Date expressed as CCYYMMDD	
	BOL05	**337**	**Time**	**O TM 4/8**
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	
	BOL06	**127**	**Reference Identification**	**O AN 1/30**
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

Segment:	**B2A** Set Purpose
Position:	030
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To allow for positive identification of transaction set purpose
Syntax Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	B2A01	353	**Transaction Set Purpose Code**	M ID 2/2
			Code identifying purpose of transaction set	
			00 Original	
	B2A02	346	**Application Type**	O ID 2/2
			Code identifying an application	
			BL Bill of Lading	

Segment:	**MS2** Equipment or Container Owner and Type		
Position:	050		
Loop:			
Level:	Heading		
Usage:	Optional		
Max Use:	1		
Purpose:	To specify the owner, the identification number assigned by that owner, and the type of equipment		
Syntax Notes:	1	If either MS201 or MS202 is present, then the other is required.	
	2	If MS204 is present, then MS202 is required.	
Semantic Notes:			
Comments:	1	MS203 identifies the type for the equipment specified in MS202.	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
MS201	140	**Standard Carrier Alpha Code**	X ID 2/4
		Standard Carrier Alpha Code	
MS202	207	**Equipment Number**	X AN 1/10
		Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	

Segment:	**L11** Business Instructions and Reference Number
Position:	060
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	100
Purpose:	To specify instructions in this business relationship or a reference number
Syntax Notes:	1 At least one of L1101 or L1103 is required.
	2 If either L1101 or L1102 is present, then the other is required.
Semantic Notes:	
Comments:	

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
L1101	**127**	**Reference Identification**	**X**	**AN 1/30**
		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**
		Code qualifying the Reference Identification		
		BM Bill of Lading Number		

Segment:	**G62** Date/Time
Position:	070
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	6
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of G6201 or G6203 is required.
	2 If either G6201 or G6202 is present, then the other is required.
	3 If either G6203 or G6204 is present, then the other is required.
Semantic Notes:	
Comments:	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
G6201	432	**Date Qualifier**	X	ID 2/2
		Code specifying type of date		
		10 Requested Ship Date/Pick-up Date		
G6202	373	**Date**	X	DT 8/8
		Date expressed as CCYYMMDD		
G6203	176	**Time Qualifier**	X	ID 1/2
		Code specifying the reported time		
		Y Requested Pick Up Time		
G6204	337	**Time**	X	TM 4/8
		Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)		
G6205	623	**Time Code**	O	ID 2/2
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow		
		CT Central Time		
		ET Eastern Time		
		LT Local Time		
		MT Mountain Time		
		PT Pacific Time		

Segment:K1 Remarks

Position:	090
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	10
Purpose:	To transmit information in a free-form format for comment or special intruction
Syntax Notes:	**1**
Semantic Notes:	
Comments:	

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
K101	**61**	**Free-Form Message**	**X AN 1/30**
K102	**61**	**Free-Form Message**	**X AN 1/30**

Segment:		**N1** Name	
Position:		100	
Loop:		0100 Optional	
Level:		Heading	
Usage:		Optional	
Max Use:		1	
Purpose:		To identify a party by type of organization, name, and code	
Syntax Notes:		1 At least one of N102 or N103 is required.	
		2 If either N103 or N104 is present, then the other is required.	
Semantic Notes:			
Comments:		1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.	
		2 N105 and N106 further define the type of entity in N101.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**N101**	**98**	**Entity Identifier Code**	**M ID 2/3**
			Code identifying an organizational entity, a physical location, property or an individual	
			CN Consignee	
			SF Ship From	
			ST Ship To	
			TP Primary Tax Payer (third party payer)	
	N102	**93**	**Name**	**X AN 1/60**
			Free-form name	

Segment:	**N3** Address Information				

Segment: $\quad$ **N3** Address Information
Position: 120
Loop: 0100 $\quad$ Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment:	**N4** Geographic Location		
Position:	130		
Loop:	0100 Optional		
Level:	Heading		
Usage:	Optional		
Max Use:	1		
Purpose:	To specify the geographic place of the named party		
Syntax Notes:	1 If N406 is present, then N405 is required.		
Semantic Notes:			
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.		
	2 N402 is required only if city name (N401) is in the U.S. or Canada.		

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N401	**19**	**City Name**	**O AN 2/30**
		Free-form text for city name	
N402	**156**	**State or Province Code**	**O ID 2/2**
		Code (Standard State/Province) as defined by appropriate government agency	
N403	**116**	**Postal Code**	**O ID 3/15**
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	
N404	**26**	**Country Code**	**O ID 2/3**
		Code identifying the country	

			Segment:	**AT1** Bill of Lading Line Item Number

Segment: **AT1** Bill of Lading Line Item Number
Position: 010
Loop: 0200   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To reference a Bill of Lading line number
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**AT101**	**213**	**Lading Line Item Number**	**M N0 1/3**
			Sequential line number for a lading item	

Segment:	**L11** Business Instructions and Reference Number
Position:	020
Loop:	0200 Mandatory
Level:	Detail
Usage:	Optional
Max Use:	100
Purpose:	To specify instructions in this business relationship or a reference number
Syntax Notes:	1 At least one of L1101 or L1103 is required.
	2 If either L1101 or L1102 is present, then the other is required.
Semantic Notes:	
Comments:	

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
L1101	**127**	**Reference Identification**	**X**	**AN 1/30**
		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**
		Code qualifying the Reference Identification		
		BM Bill of Lading Number		

Segment:	**AT4** Bill of Lading Description
Position:	040
Loop:	0200 Mandatory
Level:	Detail
Usage:	Optional
Max Use:	99
Purpose:	To specify the lading description
Syntax Notes:	
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**AT401**	**79**	**Lading Description**	**M AN 1/50**
			Description of an item as required for rating and billing purposes	

	Segment:	**AT2** Bill of Lading Line Item Detail
	Position:	050
	Loop:	0210 Optional
	Level:	Detail
	Usage:	Optional
	Max Use:	1
	Purpose:	To specify Bill of Lading quantity, weight, and commodity classification
	Syntax Notes:	1 If either AT206 or AT207 is present, then the other is required.
	Semantic Notes:	1 AT201 is the number of carrier handling units for the line item.

Semantic Notes:
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.
  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 on the pallet, skid, or slip sheet identified in AT202.
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.

Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
>>	AT201	80	**Lading Quantity**		M N0 1/7
			Number of units (pieces) of the lading commodity		
>>	AT202	211	**Packaging Form Code**		M ID 3/3
			Code for packaging form of the lading quantity		
			BDL	Bundle	
			BOX	Box	
			CAS	Case	
			CRT	Crate	
			CSK	Cask	
			CTN	Carton	
			DRM	Drum	
				A large container with a cylindrical shape; top may have removable or sealed top sides may be fiberboard or metal	
			PCS	Pieces	
			PLT	Pallet	
			RCK	Rack	
			REL	Reel	
			TBE	Tube	
>>	AT203	187	**Weight Qualifier**		M ID 1/2
			Code defining the type of weight		
			G	Gross Weight	
>>	AT204	188	**Weight Unit Code**		M ID 1/1
			Code specifying the weight unit		
			L	Pounds	
>>	AT205	81	**Weight**		M R 1/10
			Numeric value of weight		

AT206	80	**Lading Quantity**	X	N0 1/7

Number of units (pieces) of the lading commodity

AT207	211	**Packaging Form Code**	X	ID 3/3

Code for packaging form of the lading quantity

BDL	Bundle
BOX	Box
CAS	Case
CRT	Crate
CSK	Cask
CTN	Carton
DRM	Drum
	A large container with a cylindrical shape; top may have removable or sealed top sides may be fiberboard or metal
PCS	Pieces
PLT	Pallet
RCK	Rack
REL	Reel
TBE	Tube

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

Code describing a commodity or group of commodities

AT210	59	**Freight Class Code**	O	AN 2/5

Code indicating generalized classification that applies to one or more items in the shipment, i.e., class 70, 77.5, etc.

Segment:	**SPO** Shipment Purchase Order Detail	
Position:	070	
Loop:	0210 Optional	
Level:	Detail	
Usage:	Optional	
Max Use:	999999	
Purpose:	To specify the purchase order details for a shipment	

Syntax Notes:
    1   If either SPO03 or SPO04 is present, then the other is required.
    2   If either SPO05 or SPO06 is present, then the other is required.

Semantic Notes:
    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).

Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
>>	**SPO01**	**324**	**Purchase Order Number**	**M AN 1/22**
			Identifying number for Purchase Order assigned by the orderer/purchaser	

Segment:	**SE** Transaction Set Trailer
Position:	220
Loop:	
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Syntax Notes:	
Semantic Notes:	
Comments:	1 SE is the last segment of each transaction set.

Data Element Summary

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

AN EXAMPLE HUBBELL 211 DOCUMENT:

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ST*211*0001
BOL*FXFE*PP*88888888*20090909*000000*88888888
B2A*00*BL
MS2*FXFE*9999999999
L11*0088888888*BM
G62*10*20090909*Y*000000
N1*SF*Hubbell Wiring Systems
N3*20 Glenn Bridge Road
N4*ARDEN*NC*28704-9450*US
N1*CN*YOUR COMPANY
N3*123 MAIN ST
N4*ANYTOWN*CT*12345*US
N1*ST*YOUR COMPANY
N3*123 MAIN ST
N4*ANYTOWN*CT*12345*US
AT1*1
L11*0088888888*BM
AT4*Elec Plugs, etc NOI
AT2*3*PLT*G*L*74.6*3*PLT**06168002*77.5
SPO*ticket 131467-1
SE*21*0001
```