Xpress Global

211 Xpress Global Systems 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 interested 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. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat
010	ST	Transaction Set Header	M	1	
020	BOL	Beginning Segment for Bill of Lading	M	1	
030	B2A	Set Purpose	M	1	
040	MS2	Equipment Information	M	1	
050	L11	Business Instructions and Reference Number	O	50	
060	G62	Date/Time	M	1	
070	AT5	Bill of Lading Handling Requirements	O	10	
080	K1	Remarks	O	10	
		LOOP ID - 0100			10
090	N1	Name	M	1	
100	N2	Additional Name Information	O	1	
110	N3	Address Information	M	2	
120	N4	Geographic Location	M	1	
130	G1	Contact Information	O	3	

Detail:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat
		LOOP ID - 0200			999
140	AT1	Bill of Lading Item Number	M	1	
150	L11	Business Instructions and Reference Number	O	50	
160	AT4	Bill of Lading Description	M	99	
		LOOP ID – 0210			1
170	AT2	Bill of Lading Line Item Detail	M	1	
180	SPO	Shipment Purchase Order Detail	O	9999	
		LOOP ID – 0220			
190	LX	Assigned Number	O	1	9999
200	MAN	Marks and Numbers	O	9999	
210	SPO	Shipment Purchase Order Detail	O	9999	

Summary:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat
220	SE	Transaction Set Trailer	M	1	

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Segment: **ST** **Transaction Set Header**
Position: 010
Loop:
Level: Header
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M ST01	143	**Transaction Set Identifier Code**	M	ID 3/3
		Code uniquely identifying a Transaction Set		
		211 Motor Carrier Bill of Lading		
M 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		

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Segment: **BOL** Beginning Segment for Bill of Lading
Position: 020
Loop:
Level: Header
Usage: Mandatory
Max Use: 1
Purpose: To transmit basic data relating to shipment information

Data Element Summary

Des. Attributes	Ref. Element	Data Name			
M	BOL01 140	Standard Carrier Alpha Code	M	ID	2/4
		Standard Carrier Alpha Code			
M BOL02	146	Shipment Method of Payment	M	ID	2/2
		Code identifying payment terms for transportation charges			
		CC Collect			
		PP Prepaid (by Seller)			
		TP Third Party Pay			
M 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)			
M	BOL04 373	Date	M	DT	8/8
		Date Bill of Lading transmitted			

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

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	B2A01	353	**Transaction Set Purpose Code**	M	ID 2/2
			Code identifying purpose of transaction set		
			00 Original		
			01 Cancellation		
			05 Replacement		

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Segment: **MS2** **Set Purpose**
Position: 040
Loop:
Level: Header
Usage: Mandatory
Max Use: 1
Purpose: To specify the owner, the identification number assigned by that owner, and the type of
 equipment.

Data Element Summary

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

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<table>
<tr><td>**Segment:**</td><td colspan="2">**L11** **Business Instructions and Reference Number**</td></tr>
<tr><td>**Position:**</td><td>050</td></tr>
<tr><td>**Loop:**</td><td></td></tr>
<tr><td>**Level:**</td><td>Header</td></tr>
<tr><td>**Usage:**</td><td>Optional</td></tr>
<tr><td>**Max Use:**</td><td>50</td></tr>
<tr><td>**Purpose:**</td><td>To specify instructions in this business relationship or a reference number</td></tr>
</table>

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	L1101	127	**Reference Identification**	M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
M	L1102	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		

The Reference Identification Qualifiers listed within this implementation guideline reflect a partial list. Specific reference numbers will be determined during project start up.

PO	Purchase Order Number
MB	Master Bill of Landing
BM	Bill of Lading Number
MA	Ship Notice/Manifest Number
CO	Customer Order Number
BN	Booking Number

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	Segment:	**G62** Date/Time
	Position:	060
	Loop:	
	Level:	Header
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To specify pertinent dates and times

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	G6201	432	**Date Qualifier**	M	ID 2/2
			Code specifying type of date		
			This will always be the date the bill of lading is transmitted.		
			64 Must respond by		
M	G6202	373	**Date**	M	DT 8/8
			Date expressed as CCYYMMDD		
	G6203	176 2/2	**Time Qualifier**	M	ID
			01 Must respond by		
	G6204	337 AN 4/8	**Time**	M	
	G6205	623 ID 2/2	**Time Code**	M	
			ET Eastern Time		

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	Segment:	**AT5**	Bill of Lading Handling Requirements
	Position:	070	
	Loop:		
	Level:	Header	
	Usage:	Optional	
	Max Use:	050	
	Purpose:	To identify Bill of Lading handling and service requirements.	

<div align="center">

Data Element Summary

</div>

	Ref. Des. Attributes	Data Element	Name		
M	AT501	152	**Special Handling Code**	C	ID 2/3
			Code specifying special transportation handling instructions (Not required but preferred for special handing instructions)		
	AT502	560	**Special Services Code**	C	ID 2/10
			Code identifying the special service		
			This element is not required but is preferred when shipment requires special handling instructions.		

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	Segment:	**K1** Remarks
	Position:	080
	Loop:	
	Level:	Header
	Usage:	Optional
	Max Use:	10
	Purpose:	To transmit information in a free-form format, if necessary, for comment or special instruction

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M	K101	061	**Free-Form Message** Free-form information	M AN 1/30
	K102	061	**Free-Form Message** Free-form information	O AN 1/30

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Segment: **N1** Name
Position: 090
Loop: 0100   Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	N101	98	**Entity Identifier Code**	M	ID 2/3

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

BT	Bill to
SH	Shipper
CN	Consignee
SF	Ship From
ST	Ship To

	Ref. Des. Attributes	Data Element	Name		
M	N102	93	**Name**	M	AN 1/60

Free-form name

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Segment: **N2** **Additional Name Information**
Position: 100
Loop: 0100   Mandatory
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify additional names or those longer than 35 characters in length

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	N201	93	Name	M	AN 1/60
			Free-form name		

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Segment: **N3** **Address Information**
Position: 110
Loop: 0100   Mandatory
Level: Heading
Usage: Mandatory
Max Use: 2
Purpose: To specify the location of the named party

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M N301	166	**Address Information**	M	AN 1/55
		Address information		
N302	166	**Address Information**	O	AN 1/55
		Address information		

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Segment: **N4** **Geographic Location**
Position: 120
Loop: 0100   Mandatory
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To specify the geographic place of the named party

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	N401	19	**City Name**	M	AN 2/30
			Free-form text for city name		
M	N402	156	**State or Province Code**	M	ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency		
M	N403	116	**Postal Code**	M	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		
			This data element is required if the country is not the United States.		

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Segment: **G61** Contact Information
Position: 130
Loop: 0100 Optional
Level: Header
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom communications should be directed

Data Element Summary

Ref. Des. Attribute	Data Element	Name		
M	G6l01	366	**Contact Function Code**	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
	G6102	093	**Name**	O AN 1/60
			Free-form name	
	G6103	365	**Communication Number qualifier**	X ID 2/2
			Code identifying the type of communication number	
	G6104	364	**Communication Number**	X AN 1/80
			Complete communications number including country or area code when applicable	

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Segment: **AT1** **Bill of Lading Line Item Number**
Position: 140
Loop: 0200 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To reference a Bill of Lading line number

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
AT101	**213**	**Lading Line Item number**	M	NO 1/30
		Sequential line number for a lading item		

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<table>
<tr><td align="right">Segment:</td><td>L11 Business Instructions and Reference Number</td></tr>
<tr><td align="right">Position:</td><td>150</td></tr>
<tr><td align="right">Loop:</td><td>0200   Optional</td></tr>
<tr><td align="right">Level:</td><td>Detail</td></tr>
<tr><td align="right">Usage:</td><td>Optional</td></tr>
<tr><td align="right">Max Use:</td><td>50 per loop</td></tr>
<tr><td align="right">Purpose:</td><td>To specify instruction in this business relationship or a reference number</td></tr>
</table>

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	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		
	L1103	352	**Description**	X	AN 1/80
			A free-form description to clarity the related data elements and their content		

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Segment:	**AT4**	**Bill of Lading Description**			
Position:	160				
Loop:	0200	Mandatory			
Level:	Detail				
Usage:	Mandatory				
Max Use:	99 per loop				
Purpose:	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.				

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	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: 170
Loop: 0210   Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1 per Loop
Purpose: To specify bill of landing quantity, weight, and commodity classification

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M AT201	80	**Lading Quantity**	M	NO 1/7

Number of units (pieces) of the lading commodity
This element is zero if the line item being described is part of a pallet with mixed commodities.

M AT202	211	**Package Form Code**	M	ID 3/3

Code for packaging form of the lading quantity. Some of the more common codes are as follow, this is not a complete list, please refer to the VICS implementation guide for a complete listing:
CTN – Carton
DRM – Drum
PCS – Pieces
PLT – Pallet
SKD - Skid

M AT203	187	**Weight Qualifier**	M	ID 1/2

Code defining the type of weight
N – Actual Net Weight
T – Tare Weight

M AT204	188	**Weight Unit Code**	M	ID 1/1

Code specifying the weight unit
L – Pounds
K - Kilograms

M AT205	081	**Weight**	M	R 1/10

K - Kilograms

M AT206	080	**Lading Quantity**	M	NO 1/7

Number of units (pieces) of the lading quantity

M AT207	211	**Package Form Code**	M	ID 3/3

Code for packaging form of the lading quantity. Some of the more common codes are as follows, this is not a complete list, please refer to the VICS implementation guide for a complete listing:
CTN – Carton
DRM – Drum
PCS – Pieces
PLT – Pallet
This element is required only if AT202 if PLT, SKD or SLP

M AT209	22	**Commodity Code**	M	ID 1/30

Code describing a commodity or group of commodities. This is a code defined

by the National Motor Freight Tariff Association for each commodity

| M | AT210 | 59 | **Freight Class Code** | O | AN |

2/5

Code indicating generalized classification that applies to one or more items in the shipment.

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Segment:	**SPO** Shipment Purchase Order Detail			
Position:	180			
Loop:	0210	Optional		
Level:	Detail			
Usage:	Optional			
Max Use:	9999 Per Loop			
Purpose:	To specify the purchase order details for a particular line item. If the purchase order details are not directly associated with this line item then the SPO segment in loop 220 must be used.			

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M	SPO01	324	**Purchase Order Number** M AN 1/22	
			Identifying number for Purchase Order assigned by the purchaser	
	SPO02	127	**Reference Identification** O AN 1/30	
			Reference information as defined for a particular transaction set or as specified by the Reference Identification qualifier.	
	SPO03	355	**Unit or Basis Measurement Code** X ID 2/2	
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken.	
			CT – Cartons	
			PC – Pieces	
			PL - Pallets	
			SV – Skids	
	SPO04	380	**Quantity** X R 1/15	
			Numeric value of quantity	
			Total units on the Purchase order.	
	SPO05	188	**Weight Unit Code** X ID 1/1	
			Code specifying the weight unit	
			K – Kilograms	
			L – Pounds	
	SPO06	081	**Weight** X R 1/10	
			Numeric value of weight	
			If the SPO05 is required then this element is required otherwise the element is optional.	

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Segment:	**LX** **Assigned Number**	
Position:	190	
Loop:	0220	Mandatory
Level:	Detail	
Usage:	Mandatory if Loop 220 is used	
Max Use:	1 per loop	
Purpose:	To reference a line number in a transaction	

Data Element Summary

Ref. Des. Attributes	Data Element	Name		
M	**LX01**	**554**	**Assigned Number**	**M** **NO 1/6**
			Number assigned for differentiation within a transaction set	
			This is a sequential number starting with one and incremented by one, for every occurrence of the LX segment. If loop 0220 is being used then this element is required.	

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	Segment:	**MAN** Marks and Numbers
	Position:	200
	Loop:	220 Optional
	Level:	Detail
	Usage:	Optional
	Max Use:	9999 per loop
	Purpose:	To specify order identification detail

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	MAN01	088	**Marks and Numbers Qualifier**	O	ID 1/2

Code specifying the application or source of Marks and numbers

GM		UCC/EAN-128 serial Shipping container code Format
W		Pallet Number
MC		Master Carton Number.

The identification number of the outermost (external) container in a shipment leaving the supplier's dock. This element is only used to send bar code information

	MAN02	087	**Marks and Numbers**	O	AN 1/48

Marks and numbers used to identify a shipment or parts of a shipment. This element is required when the MAN01 is present

	MAN03	087	**Marks and Numbers**	O	AN 1/48

Marks and numbers used to identify a shipment or parts of a shipment. This element is only used when a range of numbers is sent

Segment: **SPO** **Shipment Purchase Order Detail**
Position: 210
Loop: 0220   Optional
Level: Detail
Usage: Optional
Max Use: 9999 Per Loop
Purpose: To specify the purchase order details for a particular line item. If the purchase order details are not directly associated with this line item then the SPO segment in loop 220 must be used.

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SPO01	324	**Purchase Order Number**	M	AN 1/22
			Identifying number for Purchase Order assigned by the purchaser		
			This element is required if the purchase order number is not directly associated with the line item in the AT2 segment.		
	SPO02	127	**Reference Identification**	O	AN 1/30
			Reference information as defined for a particular transaction set or as specified by the Reference Identification qualifier.		
	SPO03	355	**Unit or Basis Measurement Code**	O	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken.		
			CT – Cartons		
			PC – Pieces		
			PL - Pallets		
			SV – Skids		
	SPO04	380	**Quantity**	O	R 1/15
			Numeric value of quantity		
			Total units on the Purchase order.		
	SPO05	188	**Weight Unit Code**	O	ID 1/1
			Code specifying the weight unit		
			K – Kilograms		
			L – Pounds		
	SPO06	081	**Weight**	O	R 1/10
			Numeric value of weight		
			If the SPO05 is required then this element is required otherwise the element is optional.		

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<table>
<tr><td>**Segment:**</td><td>**SE** Transaction Set Trailer</td></tr>
<tr><td>**Position:**</td><td>220</td></tr>
<tr><td>**Loop:**</td><td></td></tr>
<tr><td>**Level:**</td><td>Summary</td></tr>
<tr><td>**Usage:**</td><td>Mandatory</td></tr>
<tr><td>**Max Use:**</td><td>1</td></tr>
<tr><td>**Purpose:**</td><td>To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)</td></tr>
</table>

Data Element Summary

	Ref. Des. Attributes	Data Element	Name		
M	SE01	96	**Number of Included Segments**	M	N0 1/10
			Total number of segments included in a transaction set including ST and SE segments		
M	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		

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211 Bill of Lading
Business Example (Version 4010)
Load Tender
Single Pickup & Delivery
Example #1

This is an example of a bill of lading being sent to carrier SCAC. The load contains a single ship from/pickup location and a single delivery stop. The shipper is sending one shipment third party billing to the consignee consisting of one line item for 1 piece/roll of carpet.

ST*211*000010001	211 is the Document ID and 000010001 is the
BOL*SCAC*TP*1234567*20070131*191615*4950432	The carrier to whom the load is being tendered is SCAC, the shipment identification number is 1234567, and the method of payment is Third Party. The segment also contains a pre-assigned probill number 4950432.
B2A*00*BL	The purpose of the transaction is original. The application type is Bill of Lading.
L11*5362*ZZ*Trailer Number	The trailer number is 5362.
G62*86*20070131*8*191126*ET	The actual pickup date is January 31, 2007. Actual pickup time is 19:11 Eastern Standard Time
AT5*RO**Rush Order	Handling requirements
K1*Free form text	Free form text gives comments about the load.
N1*BT*BILLTO NAME*93*0000012345 N2*ADDITIONAL BILLTO NAME N3*BILLTO ADDRESS 1*BILLTO ADDRESS2 N4*CITY*ST*ZIP*US	Identifies the bill to information for the movement. 0000012345 is the Xpress Global Systems identification code for this location.
N1*SF*SHIPPER NAME*93*0000023456 N2*ADDITIONAL SHIPPER NAME N3*SHIPPER ADDRESS*SHIPPER ADDRESS2 N4*CITY*ST*ZIP*US	Identifies the shipper information. 000000023456 is the Xpress Global System identification code for this location
N1*ST*CONSIGNEE NAME*93*0000034567 N2*ADDITIONAL CONSIGNEE NAME N3*CONSIGNEE ADDRESS*CONSIGNEE ADDRESS2 N4*CITY*ST*ZIP*US	Identifies the consignee information 0000034567 is the Xpress Global Systems identification code for this location.
AT1*1	Line 1 of Detail
L11*111111*ZZ*Style	Detail Information
L11*222222*ZZ*Color	
L11*333333*ZZ*DyeLot	Detail Information for Carpet if available
L11*444444*PO*Purchase Order Number	Detail Information
L11*SMITH*ZZ*Sidemark	Detail Information
L11*55555555*ZZ*Roll Number	Detail Information for Rolls of Carpet
L11*122.630*ZZ*Square Yards	For carpeting we will need the dimensions of the roll, width and length or enough information to determine the roll dimensions

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L11*162*ZZ*Width	Width of Roll in inches
L11*Inch*ZZ*Width UOM	
AT4*Tufted Carpeting	Line Item Description
AT2*1*ROL*N*L*481.48*1*PCS**70680*100	Bill of Lading Line item detail. 1 Roll of carpet weighing 481.48 pounds commodity code 70680 for carpet, class 100.
LX*1	Assigned Number
SPO*44444444444	Purchase Order Number
SE*30*000010001	30 is the number of included segments for this transaction set including the ST and SE segments and 000010001 is the transaction set control number.

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Notes:

Regarding 211 information for Rolls of Carpet:

Roll Dimensions:

Xpress Global will need enough information to determine the dimensions of the carpet rolls.
You can send the roll dimensions on a 'DIMENSIONS' detail L11 or any combination of L11
lines so that we may be able to determine the actual width and length of the roll of carpet.
If you send separate lines for width and length, please send an L11 unit of measure line for the units
Being used.