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			999999
190	LX	Assigned Number	O	1	
200	MAN	Marks and Numbers	O	9999	
210	SPO	Shipment Purchase Order Detail	O	9999	

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		LOOP ID – 0230			2
220	G61	Contact Information	O	1	
230	L11	Business Instructions	O	5	
240	LH6	Hazardous Certification	O	6	
		LOOP ID - 0231			25
250	LH1	Hazardous Identification Information	O	1	
260	LH2	Hazardous Classification Information	O	4	
270	LH3	Hazardous Material Shipping Name	O	10	
280	LHF	Freeform Hazardous Material Information	O	20	

Summary:

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

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.	Data Element	Name	Attributes	
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		

	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.	Ref. Element	Data Name	Attributes		
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)

This is the Xpress Global Systems Manifest Number.

This number should be used in the B102 (Shipment Identification Number) Data Element of the 990, in the B1002 (Shipment Identification Number) Data Element of the 214, and in the N902 data element (Reference Identification) of the 210 when sending these transaction sets back to Xpress Global Systems for this shipment. This number will always be 7 long.

M	BOL04	373	**Date**	M DT 8/8

Date Bill of Lading transmitted

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.	Data Element	Name	Attributes
M	B2A01	353	**Transaction Set Purpose Code**	M ID 2/2

Code identifying purpose of transaction set
00   Original

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.	Data Element	Name	Attributes	
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)		

Segment:	**L11** Business Instructions and Reference Number	
Position:	050	
Loop:		
Level:	Header	
Usage:	Optional	
Max Use:	50	
Purpose:	To specify instructions in this business relationship or a reference number	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
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.	

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.	Data Element	Name		Attributes	
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	**Time Qualifier**		M	ID 2/2
			01	Must respond by		
	G6204	337	**Time**		M	AN 4/8
	G6205	623	**Time Code**		M	ID 2/2
			ET	Eastern Time		

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.

Data Element Summary

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

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.	Data Element	Name	Attributes	
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		
M	N102	93	**Name**	M	AN 1/60
			Free-form name		

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

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

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.	Data Element	Name	Attributes	
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.		

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

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	Segment:	**L11** Business Instructions and Reference Number
	Position:	150
	Loop:	0200 Optional
	Level:	Detail
	Usage:	Optional
	Max Use:	50 per loop
	Purpose:	To specify instruction in this business relationship or a reference number

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
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	

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.	Data Element	Name	Attributes
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.	Data Element	Name	Attributes	
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

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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.	Data Element	Name	Attributes	
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.		

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.	Data Element	Name	Attributes
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.

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.	Data Element	Name	Attributes
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

	Ref. Des.	Data Element	Name	Attributes
	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

	Ref. Des.	Data Element	Name	Attributes
	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.	Data Element	Name		Attributes
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.

Segment: **G61** Contact Information
Position: 220
Loop: 0230   Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To identify a person or office to whom communications should be directed

Data Element Summary

	Ref. Des.	Data Element	Name		Attribute
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		

Segment:**L11** Business Instructions and Reference Number

Position: 230
Loop: 0230　Optional
Level: Detail
Usage: Optional
Max Use: 5　per loop
Purpose: To specify instruction in this business relationship or a reference number

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
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	

Segment:**LH6**   **Hazardous Certification**

      Position: 240
          Loop: 0230   Optional
        Level: Detail
       Usage: Optional
   Max Use: 6 per loop
    Purpose: To indicate the Hazardous Material certification information for this hazmat material

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	LH601	93	Name ifier	X	AN 1/60
	LH602	272	**Reference Identification Qualifier** Code qualifying the reference identification	X	ID 2/3
	LH603	273	**Description** A free-form description to clarity the related data elements and their content	X	AN 1/80

Segment:	**SE** Transaction Set Trailer		
Position:	220		
Loop:			
Level:	Summary		
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)		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
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	