404 Rail Carrier Shipment Information

<div align="right">**Functional Group ID=****SR**</div>

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Rail Carrier Shipment Information Transaction Set (404) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to transmit rail-carrier-specific bill of lading information to a railroad. It is the initial tender of a shipment between a consignor and a rail carrier and can be used as notification of equipment release and/or a legal bill of lading.

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	010	ST	Transaction Set Header	M	1		
	030	BX	General Shipment Information	O	1		n1
	040	BNX	Rail Shipment Information	O	1		
M	050	M3	Release	M	1		
M	060	N9	Reference Identification	M	30		
			LOOP ID - N7			500	
M	100	N7	Equipment Details	M	1		
M	190	F9	Origin Station	M	1		
M	200	D9	Destination Station	M	1		
			LOOP ID - N1			10	
M	210	N1	Name	M	1		
	220	N3	Address Information	O	2		
	230	N4	Geographic Location	O	1		
	240	PER	Administrative Communications Contact	O	2		
	460	R2	Route Information	O	13		
			LOOP ID - LX			25	
M	540	LX	Assigned Number	M	1		
M	550	L5	Description, Marks and Numbers	M	15		
			LOOP ID - L0			25	
	570	L0	Line Item - Quantity and Weight	O	1		
M	840	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1.   BX05 contains the Standard Carrier Alpha Code (SCAC) of the original roadhaul carrier receiving the shipment.

	Segment:	**ST** Transaction Set Header
	Position:	010
	Loop:	
	Level:	
	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
M	ST01	143	**Transaction Set Identifier Code**	M ID 3/3
			Code uniquely identifying a Transaction Set	
			404 Rail Carrier Shipment Information	
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	

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

Segment: **BX** General Shipment Information
Position: 030
Loop:
Level:
Usage: Optional
Max Use: 1
Purpose: To transmit identification numbers and other basic shipment data
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	BX01	353	**Transaction Set Purpose Code**	M	ID 2/2

Code identifying purpose of transaction set

| | | 00 | Original | | |

M	BX02	91	**Transportation Method/Type Code**	M	ID 1/2

Code specifying the method or type of transportation for the shipment

| | | R | Rail | | |

M	BX03	146	**Shipment Method of Payment**	M	ID 2/2

Code identifying payment terms for transportation charges

| | | PP | Prepaid (by Seller) | | |

	BX04	145	**Shipment Identification Number**	O	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)

	BX05	140	**Standard Carrier Alpha Code**	O	ID 2/4

Standard Carrier Alpha Code

	BX06	188	**Weight Unit Code**	O	ID 1/1

Code specifying the weight unit

| | | L | Pounds | | |

	BX07	147	**Shipment Qualifier**	O	ID 1/1

Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time

| | | B | Bill of Lading for Individual Shipment | | |

	BX08	226	**Section Seven Code**	O	ID 1/1

Code indicating applicability of section seven option (if not transmitted assume not in effect)

| | | S | In Effect | | |

Segment: **BNX** Rail Shipment Information
Position: 040
Loop:
Level:
Usage: Optional
Max Use: 1
Purpose: To transmit rail-specific shipment data
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
BNX01	460	**Shipment Weight Code**	O	ID 1/1

Code indicating the way by which weights are obtained for a particular shipment

		A	Shipper's Weight Agreement

Ref. Des.	Data Element	Name	Attributes	
BNX03	11	**Billing Code**	O	ID 1/1

Code indicating type of Bill

		S	Single Shipment Billing

	Segment:	**M3** Release
	Position:	050
	Loop:	
	Level:	
	Usage:	Mandatory
	Max Use:	1
	Purpose:	To indicate that the equipment is or is not to be released
	Syntax Notes:	1 At least one of M302 or M303 is required.
		2 If M304 is present, then M303 is required.
	Semantic Notes:	1 If M301 contains code value "S" or "R", then M302 is the date of release. If M301 contains code value "U", then M302 is the estimated date of release.
		2 M304 reflects the time zone which the time reflects.
	Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	M301	132	**Release Code**	M ID 1/1

Code signifying whether or not the shipment information transaction set includes instructions for pick-up and movement of the shipment; (This code provides a means for the shipper to transmit billing data along with the movement instructions, transmit billing data ahead of the movement instructions, or follow movement instructions with complete billing data at a later date)

    R   Released with Billing Data

	Ref. Des.	Data Element	Name	Attributes
	M302	373	**Date**	X DT 8/8

Date expressed as CCYYMMDD

	Ref. Des.	Data Element	Name	Attributes
	M303	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)

Segment:	**N9** Reference Identification			
Position:	060			
Loop:				
Level:				
Usage:	Mandatory			
Max Use:	30			
Purpose:	To transmit identifying information as specified by the Reference Identification Qualifier			

Syntax Notes:

1. At least one of N902 or N903 is required.
2. If N906 is present, then N905 is required.
3. If either C04003 or C04004 is present, then the other is required.
4. If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	N901	128	**Reference Identification Qualifier**	M	ID 2/3
			Code qualifying the Reference Identification		
			BM Bill of Lading Number		
			CT Contract Number		
	N902	127	**Reference Identification**	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
	N903	369	**Free-form Description**	X	AN 1/45
			Free-form descriptive text		
	N904	373	**Date**	O	DT 8/8
			Date expressed as CCYYMMDD		
	N905	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)		

Segment: **N7** **Equipment Details**
Position: 100
Loop: N7   Mandatory
Level:
Usage: Mandatory
Max Use: 1
Purpose: To identify the equipment
Syntax Notes: 1   If either N703 or N704 is present, then the other is required.
     2   If either N705 or N716 is present, then the other is required.
     3   If either N708 or N709 is present, then the other is required.
Semantic Notes: 1   N712 is the owner of the equipment.
     2   N723 is the operator or carrier of the rights of the equipment.
Comments: 1   N701 is mandatory for rail transactions.
     2   N720 and N721 are expressed in inches.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
	N701	**206**	**Equipment Initial**	**O**	**AN 1/4**
			Prefix or alphabetic part of an equipment unit's identifying number		
M	**N702**	**207**	**Equipment Number**	**M**	**AN 1/10**
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)		
	N703	**81**	**Weight**	**X**	**R 1/10**
			Numeric value of weight		
	N704	**187**	**Weight Qualifier**	**X**	**ID 1/2**
			Code defining the type of weight		
			N Actual Net Weight		
	N707	**205**	**Dunnage**	**O**	**N0 1/6**
			Weight of material used to protect lading (even bracings, false floors, etc.)		
	N711	**40**	**Equipment Description Code**	**O**	**ID 2/2**
			Code identifying type of equipment used for shipment		
			RR Rail Car		

Segment: **F9** Origin Station

Position: 190
Loop:
Level:
Usage: Mandatory
Max Use: 1
Purpose: To identify the rail origin of the shipment
Syntax Notes:
Semantic Notes: 1 F902 is the origin station for movement.
2 F904 is the country code for the city named in the F902.
3 F905 is the freight station accounting code of the origin junction settlement carrier.
4 F908 is the Standard Point Location Code (SPLC) for the city named in the F902.
5 F909 is the postal code for the city named in the F902.
6 F910 is the Standard Point Location Code (SPLC) for the city named in the F906.
7 F911 is the postal code for the city named in the F906.
8 F912 is the country code for the city named in the F906.
Comments: 1 F905 is the freight station accounting code of the city named in F906.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	F902	19	City Name	M	AN 2/30
			Free-form text for city name		
M	F903	156	State or Province Code	M	ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency		
	F908	154	Standard Point Location Code	O	ID 6/9
			Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city		

Segment:		**D9** Destination Station		
Position:		200		
Loop:				
Level:				
Usage:		Mandatory		
Max Use:		1		
Purpose:		To identify the rail destination of the shipment		
Syntax Notes:				
Semantic Notes:	**1**	D902 is the destination station of movement.		
	2	D904 is the country code for the city named in the D902.		
	3	D905 is the freight station accounting code of the destination junction settlement carrier.		
	4	D908 is the Standard Point Location Code (SPLC) for the city named in the D902.		
	5	D909 is the postal code for the city names in the D902.		
	6	D910 is the Standard Point Location Code (SPLC) for the city named in the D906.		
	7	D911 is the postal code for the city named in the D906.		
	8	D912 is the country code for the city named in the D906.		
Comments:	**1**	D905 is the freight station accounting code of the city name in D906.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	**D902**	**19**	**City Name**	**M AN 2/30**
			Free-form text for city name	
M	**D903**	**156**	**State or Province Code**	**M ID 2/2**
			Code (Standard State/Province) as defined by appropriate government agency	
	D908	**154**	**Standard Point Location Code**	**O ID 6/9**
			Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city	

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

Segment: **N1** Name
Position: 210
Loop: N1   Mandatory
Level:
Usage: Mandatory
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**	
M	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/3**

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

CN		Consignee
FW		Forwarder
PF		Party to Receive Freight Bill
SH		Shipper
XR		Mexican Customs Broker

	N102	**93**	**Name**	**X**	**AN 1/60**

Free-form name

	N103	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**

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

20		Standard Point Location Code (SPLC)

	N104	**67**	**Identification Code**	**X**	**AN 2/80**

Code identifying a party or other code

Segment: **N3** **Address Information**
Position: 220
Loop: N1   Mandatory
Level:
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
M	N301	166	**Address Information**	M AN 1/55
			Address information	

Segment:	**N4** Geographic Location
Position:	230
Loop:	N1 Mandatory
Level:	
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		
N405	**309**	**Location Qualifier**	**X**	**ID 1/2**
		Code identifying type of location		
		SL U.S. SPLC		
N406	**310**	**Location Identifier**	**O**	**AN 1/30**
		Code which identifies a specific location		

Segment:	**PER** Administrative Communications Contact		
Position:	240		
Loop:	N1	Mandatory	
Level:			
Usage:	Optional		
Max Use:	2		
Purpose:	To identify a person or office to whom administrative communications should be directed		
Syntax Notes:	1	If either PER03 or PER04 is present, then the other is required.	
	2	If either PER05 or PER06 is present, then the other is required.	
	3	If either PER07 or PER08 is present, then the other is required.	
Semantic Notes:			
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	PER01	366	**Contact Function Code**	**M ID 2/2**
			Code identifying the major duty or responsibility of the person or group named	
			AD Accounting Department	
	PER02	93	**Name**	**O AN 1/60**
			Free-form name	
	PER03	365	**Communication Number Qualifier**	**X ID 2/2**
			Code identifying the type of communication number	
			TE Telephone	
	PER04	364	**Communication Number**	**X AN 1/80**
			Complete communications number including country or area code when applicable	

Segment:		**R2** Route Information			

Segment: **R2** Route Information
Position: 460
Loop:
Level:
Usage: Optional
Max Use: 13
Purpose: To specify carrier and routing sequences and details
Syntax Notes: 1 If R208 is present, then R207 is required.
Semantic Notes: 1 R203 is the station or city name at which carriers interchange shipments.
2 R210 is the billing date.
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
M	R201	140	**Standard Carrier Alpha Code**	**M**	**ID 2/4**
			Standard Carrier Alpha Code		
M	R202	133	**Routing Sequence Code**	**M**	**ID 1/2**
			Code describing the relationship of a carrier to a specific shipment movement		
			1 1st Carrier after Origin Carrier		
			2 2nd Carrier after Origin Carrier		
			A Origin Carrier, Agent's Routing (Rail)		
	R203	19	**City Name**	**O**	**AN 2/30**
			Free-form text for city name		
	R206	91	**Transportation Method/Type Code**	**O**	**ID 1/2**
			Code specifying the method or type of transportation for the shipment		
			R Rail		

Segment: **LX** **Assigned Number**
Position: 540
Loop: LX Mandatory
Level:
Usage: Mandatory
Max Use: 1
Purpose: To reference a line number in a transaction set
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	LX01	554	Assigned Number	M	N0 1/6
			Number assigned for differentiation within a transaction set		

Segment:	**L5** Description, Marks and Numbers
Position:	550
Loop:	LX Mandatory
Level:	
Usage:	Mandatory
Max Use:	15
Purpose:	To specify the line item in terms of description, quantity, packaging, and marks and numbers
Syntax Notes:	1 If either L503 or L504 is present, then the other is required.
	2 If L507 is present, then L506 is required.
	3 If either L508 or L509 is present, then the other is required.
Semantic Notes:	
Comments:	1 L502 may be used to send quantity information as part of the product description.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
L501	**213**	**Lading Line Item Number**	**O**	**N0 1/3**
		Sequential line number for a lading item		
L502	**79**	**Lading Description**	**O**	**AN 1/50**
		Description of an item as required for rating and billing purposes		
L503	**22**	**Commodity Code**	**X**	**AN 1/30**
		Code describing a commodity or group of commodities		
L504	**23**	**Commodity Code Qualifier**	**X**	**ID 1/1**
		Code identifying the commodity coding system used for Commodity Code		
		T Standard Transportation Commodity Code (STCC)		

Segment:	**L0** Line Item - Quantity and Weight		
Position:	570		
Loop:	L0	Optional	
Level:			
Usage:	Optional		
Max Use:	1		
Purpose:	To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data		

Syntax Notes:	1	If either L002 or L003 is present, then the other is required.
	2	If either L004 or L005 is present, then the other is required.
	3	If either L006 or L007 is present, then the other is required.
	4	If either L008 or L009 is present, then the other is required.
	5	If L011 is present, then L004 is required.
	6	If either L013 or L015 is present, then the other is required.
Semantic Notes:	1	L008 is the number of handling units of the line item tendered to the carrier.
	2	L013 can only be used if the code in L009 is PLT, SKD, or SLP.
	3	L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.
Comments:	1	L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
L001	**213**	**Lading Line Item Number**	**O**	**N0 1/3**
		Sequential line number for a lading item		
L004	**81**	**Weight**	**X**	**R 1/10**
		Numeric value of weight		
L005	**187**	**Weight Qualifier**	**X**	**ID 1/2**
		Code defining the type of weight		
		B Billed Weight		
L008	**80**	**Lading Quantity**	**X**	**N0 1/7**
		Number of units (pieces) of the lading commodity		
L009	**211**	**Packaging Form Code**	**X**	**ID 3/3**
		Code for packaging form of the lading quantity		
		PCS Pieces		
L011	**188**	**Weight Unit Code**	**O**	**ID 1/1**
		Code specifying the weight unit		
		L Pounds		

Segment:		**SE** Transaction Set Trailer			

Segment: **SE** Transaction Set Trailer
Position: 840
Loop:
Level:
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	
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		