404 Rail Carrier Shipment Information

CSX/V7050/404 : 404 Rail Carrier Shipment Information

Company: **CSX Transportation, Inc**

Notes: **For assistance please call 877-SHIPCSX option 2, prompt 1 or email B2B@csx.com.**

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Rail Carrier Shipment Information

Functional Group=SR

Purpose: This X12 Transaction Set 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.

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ST	Transaction Set Header	M	1			Must use
0200	ZC1	Beginning Segment for Data Correction or Change	O	1			Used
0300	BX	General Shipment Information	M	1		N1/0300	Must use
0400	BNX	Rail Shipment Information	O	1			Used
0500	M3	Release	M	1			Must use
0600	N9	Extended Reference Information	M	30			Must use
0700	CM	Cargo Manifest	O	2			Used
0900	DTM	Date/Time Reference	O	5			Used
LOOP ID - N7					**500**		
1000	N7	Equipment Details	M	1			Must use
LOOP ID - VC					**36**		
1100	VC	Motor Vehicle Control	O	1			Used
LOOP ID - N1					**2**		
1120	N1	Party Identification	O	1			Used
1140	N3	Party Location	O	2			Used
1160	N4	Geographic Location	O	1			Used
1180	H3	Special Handling Instructions	O	1			Used
1300	M7	Seal Numbers	O	5		N1/1300	Used
1700	M12	In-bond Identifying Information	O	2			Used
LOOP ID - E1					**2**		
1710	E1	Empty Car Disposition - Pended Destination Consignee	O	1			Used
1720	E4	Empty Car Disposition - Pended Destination City	O	1			Used
1730	E5	Empty Car Disposition - Pended Destination Route	O	13			Used
1740	PI	Price Authority Identification	O	1			Used
1750	GA	Canadian Grain Information	O	15			Used
LOOP ID - REF					**99**		
1770	REF	Reference Information	O	1			Used
1780	N10	Quantity and Description	O	15			Used
1900	F9	Origin Station	M	1			Must use
2000	D9	Destination Station	M	1			Must use
LOOP ID - N1					**15**		
2100	N1	Party Identification	M	1			Must use
2200	N3	Party Location	M	2			Used
2300	N4	Geographic Location	M	1			Must use
2400	PER	Administrative Communications	O	2			Used

		Contact					
2520	BL	Billing Information	O	12			Used
4600	R2	Route Information	M	13			Must use
LOOP ID - E1					**2**		
4900	E1	Empty Car Disposition - Pended Destination Consignee	O	1			Used
5000	E4	Empty Car Disposition - Pended Destination City	O	1			Used
5100	E5	Empty Car Disposition - Pended Destination Route	O	13			Used
5110	PI	Price Authority Identification	O	1			Used
5200	H3	Special Handling Instructions	O	20			Used
5300	PS	Protective Service Instructions	O	5			Used
LOOP ID - LX					**25**		
5400	LX	Transaction Set Line Number	M	1			Must use
5500	L5	Description, Marks and Numbers	M	15			Must use
LOOP ID - L0					**25**		
5700	L0	Line Item - Quantity and Weight	O	1			Used
5750	MEA	Measurements	O	3			Used
LOOP ID - PI					**6**		
5900	PI	Price Authority Identification	O	1			Used
6000	X1	Export License	O	6			Used
LOOP ID - LS					**1**		
6700	LS	Loop Header	O	1			Used
LOOP ID - LH1					**1000**		
6800	LH1	Hazardous Identification Information	O	1			Used
6900	LH2	Hazardous Classification Information	O	4		N1/6900	Used
7000	LH3	Hazardous Material Shipping Name Information	O	10			Used
7100	LFH	Free-form Hazardous Material Information	O	20			Used
7200	LEP	EPA Required Data	O	3			Used
7300	LH4	Canadian Dangerous Requirements	O	4			Used
7400	LHT	Transborder Hazardous Requirements	O	3			Used
7500	LHR	Hazardous Material Identifying Reference Numbers	O	10			Used
7550	PER	Administrative Communications Contact	M	5			Must use
LOOP ID - N1					**10**		
7560	N1	Party Identification	O	1			Used
7570	N3	Party Location	O	2			Used
7580	N4	Geographic Location	O	1			Used
7590	PER	Administrative Communications Contact	O	2			Used
7600	LE	Loop Trailer	M	1			Used
7700	PER	Administrative Communications Contact	O	5			Used
7800	LH2	Hazardous Classification Information	O	6		N1/7800	Used
7900	LHR	Hazardous Material Identifying Reference Numbers	O	1			Used
8000	LH6	Hazardous Certification	O	5			Used
8100	XH	Pro Forma - B13 Information	O	1			Used

| 8400 | SE | Transaction Set Trailer | M | 1 | | | Must use |

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

Notes:

1/0300   BX05 contains the Standard Carrier Alpha Code (SCAC) of the original roadhaul carrier receiving the shipment.

1/1300   A "Cone Seal' is indicated by "HV" in the IMA02. A "Red Ball" seal is indicated by the presence of an M12 segment.
For seal numbers that exceeds the 15 character limit of the seal number, the last 15 characters of the seal number are to be used.

1/6900   If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory. However, the receiver must consider it to be blanks when printing a paper document.

1/7800   If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory. However, the receiver must consider it to be blanks when printing a paper document.

CSX Note 1:

Please use only one segment terminator, default value for CSX is "0x15"

CSX Note 2:

ISA, GS, and ST control number must increment within each unique occurrence. Repeating ST control numbers will result in message failures.

ISA   Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must use
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA01	I01	**Authorization Information Qualifier**	M	ID	2/2	Must use

Description: Code identifying the type of information in the Authorization Information

Code	Name
00	No Authorization Information Present (No Meaningful Information in I02)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA02	I02	**Authorization Information**	M	AN	10/10	Must use

Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)
CSX Note 1: *Leave Blank or use "SWBOL"*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA03	I03	**Security Information Qualifier**	M	ID	2/2	Must use

Description: Code identifying the type of information in the Security Information

Code	Name
00	No Security Information Present (No Meaningful Information in I04)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA04	I04	**Security Information**	M	AN	10/10	Must use

Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)
CSX Note 1: *Leave Blank*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA05	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use

Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified

Code	Name
02	SCAC (Standard Carrier Alpha Code)
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA06	I06	**Interchange Sender ID**	M	AN	15/15	Must use

Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA07	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use

Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified

Code	Name
02	SCAC (Standard Carrier Alpha Code)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA08	I07	**Interchange Receiver ID**	M	AN	15/15	Must use

Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them
CSX Note 1: *Default value is "CSXT"*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA09	I08	**Interchange Date**	M	DT	6/6	Must use

Description: Date of the interchange

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA10	I09	**Interchange Time**	M	TM	4/4	Must use

Description: Time of the interchange

| ISA11 | I65 | **Repetition Separator** | M | | 1/1 | Must use |

Description: Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator

CSX Note 1: *Default value is "U"*

| ISA12 | I11 | **Interchange Control Version Number Code** | M | ID | 5/5 | Must use |

Description: Code specifying the version number of the interchange control segments

Code	**Name**
00705	Standards Approved for Publication by ASC X12 Procedures Review Board through December 2017

| ISA13 | I12 | **Interchange Control Number** | M | N0 | 9/9 | Must use |

Description: A control number assigned by the interchange sender

| ISA14 | I13 | **Acknowledgment Requested Code** | M | ID | 1/1 | Must use |

Description: Code indicating sender's request for an interchange acknowledgment

Code	**Name**
0	No Interchange Acknowledgment Requested

| ISA15 | I14 | **Interchange Usage Indicator Code** | M | ID | 1/1 | Must use |

Description: Code indicating whether data enclosed by this interchange envelope is test, production or information

Code	**Name**
P	Production Data

| ISA16 | I15 | **Component Element Separator** | M | | 1/1 | Must use |

Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator

CSX Note 1: *Default value is ">"*

CSX Note 2: *Use of any special character in this position that is also used with the data elements passed within the EDI 404 will cause a reject.*

GS   Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	**Elements: 8**

User Option (Usage): Must use
Purpose: To indicate the beginning of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	479	**Functional Identifier Code**	M	ID	2/2	Must use

Description: Code identifying a group of application related transaction sets

Code	Name
SR	Rail Carrier Shipment Information (404)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS02	142	**Application Sender's Code**	M	AN	2/15	Must use

Description: Code identifying party sending transmission; codes agreed to by trading partners

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS03	124	**Application Receiver's Code**	M	AN	2/15	Must use

Description: Code identifying party receiving transmission; codes agreed to by trading partners
CSX Note 1: *Default value is "CSXT"*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS04	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS05	337	**Time**	M	TM	4/4	Must use

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)
CSX Note 1: *CSX time format is HHMM, any other format will cause a reject.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS06	28	**Group Control Number**	M	N0	1/9	Must use

Description: Assigned number originated and maintained by the sender

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS07	455	**Responsible Agency Code**	M	ID	1/2	Must use

Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480

Code	Name
X	Accredited Standards Committee X12

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS08	480	**Version / Release / Industry Identifier Code**	M	AN	1/12	Must use

Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

Code	Name
007050	Standards Approved for Publication by ASC X12 Procedures Review Board through December 2017

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

CSX   Note 1:
One GS loop per ISA is allowed.

ST   Transaction Set Header

Pos: 0100	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use
Purpose: To indicate the start of a transaction set and to assign a control number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use

Description: Code identifying a Transaction Set

Code	Name
404	Rail Carrier Shipment Information

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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
CSX Note 1: *Must be a unique number within each ISA/GS loop.*

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.

ZC1

Beginning Segment for Data Correction or Change

Pos: 0200   **Max: 1**
Heading - Optional
Loop: N/A   **Elements: 9**

User Option (Usage): Used
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ZC101	145	**Shipment Identification Number**	O	AN	1/30	Not used

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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ZC102	206	**Equipment Initial**	M	AN	1/4	Must use

Description: Prefix or alphabetic part of an equipment unit's identifying number
CSX Note 1: *Must be identical to the previous shipping instructions. For multi-equipment shipments must be identical to the lead car of the previous shipping instruction.*
CSX Note 2: *ZC102 and ZC103 (equipment initial and number) must contain the equipment initial and number found in the N701 and N702 from the previous transmission of the 404 covering this shipment.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ZC103	207	**Equipment Number**	M	AN	1/15	Must use

Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)
CSX Note 1: *Must be identical to the previous shipping instructions. For multi-equipment shipments must be identical to the lead car of the previous shipping instruction.*
CSX Note 2: *ZC102 and ZC103 (equipment initial and number) must contain the equipment initial and number found in the N701 and N702 from the previous transmission of the 404 covering this shipment.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ZC104	244	**Transaction Reference Number**	M	AN	1/50	Must use

Description: Sender's assigned number for referenced transaction set
CSX Note 1: *Bill of Lading/Shipment number as previously transmitted in the N9 segment with code value of BM.*
CSX Note 2: *ZC104 (transaction reference number) contains the unique shipper assigned bill of lading/shipment number found in the N902 from the previous transmission of the 404 covering this shipment.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ZC105	243	**Transaction Reference Date**	M	DT	8/8	Must use

Description: Date of referenced transaction set expressed in format CCYYMMDD where CC represents the first two digits of the calendar year
CSX Note 1: *ZC105 (transaction reference date) contains the bill of lading/shipment date from the previous transmission of the 404 covering this shipment.*
CSX Note 2: *Original date of Bill of Lading/Shipment Number previously transmitted in N9 segment with code value of BM.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ZC106	202	**Correction Indicator Code**	M	ID	2/2	Must use

Description: Code indicating that the transaction set contains information which corrects previous information
CSX Note 1: *ZC106 (correction indicator) contains the correction indicator 'CO' - CORRECTION.*

Code	Name
CO	Correction

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ZC107	140	**Standard Carrier Alpha Code**	M	ID	2/4	Must use

Description: Code identifying the Standard Carrier Alpha Code
CSX Note 1: *(SCAC) contains the road initials of the origin roadhaul carrier to which this correction is being transmitted.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ZC108	91	**Transportation Method/Type Code**	M	ID	1/2	Not used

Description: Code specifying the method or type of transportation for the shipment

Code	Name
R	Rail
X	Intermodal (Piggyback)

ZC109	761	**Equipment Number Check Digit**	O	N0	1/1	Not used

Description: Number which designates the check digit applied to a piece of equipment

Semantics:

    1. If ZC108 is "R" (Rail), then ZC102 is required.

    2. ZC109 is the equipment check digit for the equipment number in ZC103.

Comments:

    1. For any rail shipment, ZC102 is required.

CSX   Note 1:

Required segment in order to submit a 404 correction.

CSX Note 2:

No corrections are accepted for origin, equipment initial, equipment number, or N9*BM bill of lading number with a 404 containing a ZC1. To correct these items a void (EDI998) and re-bill must occur.

BX — General Shipment Information

Pos: 0300			**Max: 1**
	Heading - Mandatory		
Loop: N/A			**Elements: 11**

User Option (Usage): Must use
Purpose: To transmit identification numbers and other basic shipment data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BX01	353	**Transaction Set Purpose Code**	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

Code	Name
00	Original
04	Change

> **User Note 1:**
> *If used, ZC1 segment must be present.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BX02	91	**Transportation Method/Type Code**	M	ID	1/2	Must use

Description: Code specifying the method or type of transportation for the shipment

Code	Name
R	Rail
X	Intermodal (Piggyback)

> **User Note 1:**
> *If used N711 must equal CC, CH, CM, CN, CX, CZ, GS, LS, OT, PL, PR, RT, or TL.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BX03	146	**Shipment Method of Payment Code**	M	ID	2/2	Must use

Description: Code identifying payment terms for transportation charges

Code	Name
11	Rule 11 Shipment

> **User Note 1:**
> *If any part of the shipment is Rule 11 this code must be used.*

Code	Name
CC	Collect
PP	Prepaid (by Seller)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BX05	140	**Standard Carrier Alpha Code**	O	ID	2/4	Used

Description: Code identifying the Standard Carrier Alpha Code
CSX Note 1: *Contains the SCAC of the original roadhaul carrier receiving the shipment - CSXT.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BX06	188	**Weight Unit Code**	O	ID	1/1	Used

Description: Code specifying the weight unit
CSX Note 1: *If submitting weight in KG, CSX will convert to Pounds and all downstream waybills, consists, tracking events, and invoices will be in Pounds.*

Code	Name
K	Kilograms
L	Pounds

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BX07	147	**Shipment Qualifier**	O	ID	1/1	Used

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

Code	Name
B	Bill of Lading for Individual Shipment
M	Master Bill of Lading for Assembly, Distribution and Volume Shipment
W	Revenue Empty

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BX08	226	**Section Seven Code**	O	ID	1/1	Used

Description: Code indicating applicability of section seven option (if not transmitted assume not in effect)
All valid standard codes are used.

BX09	195	**Capacity Load Code**	O	ID	1/1	Used

Description: Code specifying type of capacity load

Code	Name
C	Full Cubic Capacity
F	Full Capacity
G	Gallonage Capacity
M	Marked Capacity
V	Full Visible Capacity

BX11	501	**Customs Documentation Handling Code**	O	ID	2/2	Used

Description: Code specifying method of handling for documentation
CSX Note 1: *Used for Canadian origins only.*
CSX Note 2: *If BX11 equals 10, 14, 15, 16, 17, 24, or 34 the X1 and XH segments are required.*
All valid standard codes are used.

BX12	199	**Confidential Billing Request Code**	O	ID	1/1	Used

Description: Code indicating that the shipper requests that the carrier inhibit origin identification information from the invoice transaction sets and/or rate and charges from waybill documents and transaction sets when shipment moves under confidential contract rates
All valid standard codes are used.

BX13	714	**Goods and Services Tax Reason Code**	O	ID	1/1	Used

Description: Code identifying the reason for a 0% rated goods and services tax
CSX Note 1: *Used for Canadian origins only.*
All valid standard codes are used.

BNX   Rail Shipment Information

Pos: 0400	**Max: 1**
Heading - Optional	
Loop: N/A	**Elements: 3**

User Option (Usage): Used
Purpose: To transmit rail-specific shipment data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BNX01	460	**Shipment Weight Code**	O	ID	1/1	Used

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

CSX Note 1: *When specifying weights to be obtained by a means other than Railroad weigh for Revenue shipments, specify the source from the list of valid codes. The application of Destination weights will be communicated by a "D". Weights authorized or calculated based on items in a tariff should be indicated with a "T" in the BNX01 and actual net weight (N703) properly qualified (N704 = "N").*

This element is mandatory for loaded revenue shipments.

Code	Name
A	Shipper's Weight Agreement
D	Destination Weight Agreement
G	Grain Exchange Weight
M	Manifest Weight
N	No Wt. Req., Ship. Moving on Contract or per car rate
O	Official Weight
R	Carrier Scale Weight
S	Shipper Certified Scale Weights
T	Tariff Authorized Weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BNX02	129	**Referenced Pattern Identifier**	O	AN	1/13	Used

Description: Identification of a repetitive pattern that is to be used as a basis for creating a shipment record or a new pattern; or identification of a pattern requiring change or deletion

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BNX03	11	**Billing Code**	O	ID	1/1	Used

Description: Code indicating type of Bill

CSX Note 1: *This element is mandatory for loaded revenue shipments.*

Code	Name
A	Temporarily Articulated Load
E	Storage
G	Store in Transit
H	For Furtherance of Transit
M	Multiple Shipment Billing

User Note 1:
When M is used here and there are multiple N7s on the 404 the equipment will all be billed on a single waybill. BX07 must be an M.

Code	Name
P	Paired Trailer Shipment
S	Single Shipment Billing

User Note 1:
When S is used here and there are multiple N7s on the 404 the equipment will be billed separately on in individual waybills.
BX07 must be "M".

Code	Name
U	Unit Train Billing

CSX   Note 1:

This segment is mandatory for loaded shipments only.

M3   Release

Pos: 0500	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 4**

User Option (Usage): Must use
Purpose: To indicate that the equipment is or is not to be released

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
M301	132	**Release Code**	M	ID	1/1	Must use

Description: Code signifying whether or not the shipment information transaction set includes instructions for pickup 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)

Code	Name
R	Released with Billing Data

Ref	Id	Element Name	Req	Type	Min/Max	Usage
M302	373	**Date**	X	DT	8/8	Used

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year
CSX Note 1: *Past date and time will be rejected. Future date and time will cause the bill of lading to be held and will not release for processing until that time.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
M303	337	**Time**	X	TM	4/4	Used

Description: Time expressed in 24-hour clock time as follows: HHMM, where H = hours (00-23), M = minutes (00-59).
CSX Note 1: *Past date and time will be rejected. Future date and time will cause the bill of lading to be held and will not release for processing until that time.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
M304	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

Code	Name
CT	Central Time
ET	Eastern Time
LT	Local Time

User Note 1:
  Used for time zones not listed.

Code	Name
MT	Mountain Time
PT	Pacific Time

Syntax Rules:

1. R0203 - At least one of M302 or M303 is required.
2. C0403 - If M304 is present, then M303 is required.

Semantics:

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.

N9 **Extended Reference Information**

Pos: 0600	**Max: 30**
Heading - Mandatory	
Loop: N/A	**Elements: 5**

User Option (Usage): Must use
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code identifying the Reference Identification

Code	Name
09	Customs Bar Code Number

> **User Note 1:**
> *Used for Customs C4 number.*
>
> *Used to identify a single Customs Bar Code Number which applies to the entire shipment. If multiple Customs Bar Code Numbers apply to a shipment, they should be sent in the N1009, using one N10 per Customs Bar Code Number.*

Code	Name
2K	Food and Drug Administration (FDA) Product Type

> **User Note 1:**
> *Used by shipper to indicate that the commodity is subject to FDA prior notification requirement.*

Code	Name
AH	Agreement Number
BC	Buyer's Contract Number
BL	Government Bill of Lading

> **User Note 1:**
> *If used the N904 is the document preparation date.*

Code	Name
BM	Bill of Lading Number

> **User Note 1:**
> *One occurrence of the BM qualifier must be used.*

Code	Name
BN	Booking Number
CD	Credit Note Number
CG	Consignee's Order Number
CN	Carrier's Reference Number (PRO/Invoice)
CO	Customer Order Number
CR	Customer Reference Number
CS	Condition of Sale Document Number
CV	Coil Number
CX	Consignment Classification ID
DH	Drug Enforcement Administration Number
DV	Diversion Authority Number
EB	Embargo Permit Number

> **User Note 1:**
> *if used another occurrence of the N9 with code value of 'EN' is required.*

Code	Name
ED	Export Declaration
EN	Embargo Number

> **User Note 1:**
> *if used another occurrence of the N9 with code value of 'EB' is required.*

Code	Name
EP	Export Permit Number
F9	Freight Payor Reference Number
FN	Forwarder's/Agent's Reference Number
FP	Forestry Permit Number
GB	Grain Block Number
GC	Government Contract Number

GR	Grain Order Reference Number
HS	Harmonized Code System (Canada)
HW	High/Wide File Number
IN	Consignee's Invoice Number
LT	Lot Number
M0	Mexican Pedimento Number
MA	Ship Notice/Manifest Number
MB	Master Bill of Lading
OB	Ocean Bill of Lading
OM	Ocean Manifest
OS	Outbound-from Party
OW	Service Order Number
P8	Pickup Reference Number
PK	Packing List Number
PN	Permit Number

User Note 1:
Required of CSX Unit Trains.

PO	Purchase Order Number
PQ	Payee Identification
QL	Service Authorization Number
RC	Rail Routing Code
S7	Stack Train Identification
SI	Shipper's Identifying Number for Shipment (SID)
SO	Shipper's Order (Invoice Number)
ST	Store Number
SW	Seller's Sale Number
UT	Unit Train
V0	Version
VA	Vessel Agent Number
VD	Volume Number
WM	Weight Agreement Number
WU	Vessel
ZE	Coal Authority Number
CED	Canada Border Services Agency (CBSA) Export Declaration Number
CEN	Census Exemption Number
CER	Canada Border Services Agency (CBSA) Exemption Reference ID
CES	Canada Border Services Agency (CBSA) Export Summary Reporting ID
FRC	U.S. Customs and Border Protection (CBP) Facility Information Resource Management System (FIRMS) CODE

User Note 1:
For transborder shipments destined to Canada used to identify the CBSA sub-location code of sufferance warehouse. For transborder shipments destined to US used to identify CBP FIRMS code of bonded facility.

User Note 2:
FIRMS codes are available on intermodal.com on the network map/terminal information page for CSX locations. All other location FIRMS codes must be obtained from the local terminal operator. .

ITN	Census Internal Transaction Number (ITN)
MXE	Mexican Export Bonded Warehouse Number
MXI	Mexican Import Bonded Warehouse Number
PDF	Census Post Departure Filing Number
RSN	Reservation Number

User Note 1:
Used only for intermodal traffic.

SNP	U.S. Customs & Border Protection (CBP) Second Notify Party

N902	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

CSX Note 1: *If N901 equals '2K' pass 'FDA' here.*

N904	373	**Date**	O	DT	8/8	Used

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

CSX Note 1: *The preparation date of the document if N901 contains the code BM.*

CSX Note 2: *Past dates will be rejected. Future dates and times will cause the bill of lading to be held and not release for processing until that date & time is reached.*

N905	337	**Time**	X	TM	4/4	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)

CSX Note 1: *Past dates will be rejected. Future dates and times will cause the bill of lading to be held and not release for processing until that date & time is reached.*

N906	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

Code	**Name**
CT	Central Time
ET	Eastern Time
LT	Local Time
MT	Mountain Time
PT	Pacific Time

Syntax Rules:
1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

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

CSX   Note 1:
For shipments imported in Canada or the United States, accurate and full commodity descriptions, package codes and piece counts of the smallest exterior packaging unit are required. The corresponding Standard Transportation Commodity Code (STCC) code must be used in the Description, Marks and Numbers segments. Also the Harmonized System (HS) code, if available should be passed in an N9 segment utilizing a code value of 'HS'. This information must be passed to the border crossing carrier as received by the origin carrier. If manifest information is being provided directly to a Customs Agency, by a party other than the border crossing carrier, then these requirements may be modified by mutual agreement between the border crossing carrier and the manifesting party.

CSX Note 2:
Code values listed for N901 are supported by the Rail industry. Any additional valid X12 code may be passed here, but may only be supported based on bi-lateral agreements between trading partners.

CSX Note 3:
The Bill of Lading/Shipment Number, code value of BM must be included in each transaction.

CSX Note 4:
Permit Number (CSX Reservation number), qualifier 'PN', must be included in each transaction for unit trains of coal, grain, and aggregrates..

CM   **Cargo Manifest**

Pos: 0700	**Max: 2**
Heading - Optional	
Loop: N/A	**Elements: 15**

User Option (Usage): Used
Purpose: To identify specific flight or voyage information for multimodal shipments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CM01	55	**Flight/Voyage Number**	O	AN	2/30	Used

Description: Identifying designator for the particular flight or voyage on which the cargo travels

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CM02	115	**Port or Terminal Function Code**	X	ID	1/1	Used

Description: Code specifying function performed at the port or terminal with respect to a shipment

Code	Name
1	Final Port of Discharge (Operational)
D	Port of Discharge (Operational)
L	Port of Loading (Operational)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CM03	114	**Port Name**	O	AN	2/24	Used

Description: Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CM04	373	**Date**	O	DT	8/8	Used

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year
CSX Note 1: *If CM02 is "D" or "1", this contains the ship dock date. If CM02 is "L", this contains the ship sail date.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CM05	13	**Booking Number**	O	AN	1/17	Used

Description: Number assigned by the carrier for space reservation

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CM06	140	**Standard Carrier Alpha Code**	O	ID	2/4	Used

Description: Code identifying the Standard Carrier Alpha Code
CSX Note 1: *Represents the current carrier.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CM07	140	**Standard Carrier Alpha Code**	O	ID	2/4	Used

Description: Code identifying the Standard Carrier Alpha Code
CSX Note 1: *Represents the previous carrier.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CM08	373	**Date**	O	DT	8/8	Used

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year
CSX Note 1: *Represents the manifest date.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CM09	182	**Vessel Name**	O	AN	2/28	Used

Description: Name of ship as documented in "Lloyd's Register of Ships"

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CM10	113	**Pier Number**	O	AN	1/4	Used

Description: Identifying number for the pier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CM11	112	**Pier Name**	O	AN	2/14	Used

Description: Free-form name of the pier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CM12	174	**Terminal Name**	O	AN	2/30	Used

Description: Free-form field for terminal name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CM13	156	**State or Province Code**	O	ID	2/2	Used

Description: Code specifying the Standard State/Province as defined by appropriate government agency

CM14	26	**Country Code**	O	ID	2/3	Used

Description: Code identifying the country

CM15	127	**Reference Identification**	O	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
CSX Note 1: *Vessel Agent Number.*

Syntax Rules:

1. C0402 - If CM04 is present, then CM02 is required.

Semantics:

1. CM04 is qualified by CM02.
2. CM06 contains the carrier code.
3. CM07 contains the previous carrier code.
4. CM08 is the manifest date.
5. CM15 is the vessel agent number.

Comments:

1. CM02 is "D" for rail origin and "L" for rail destination.

DTM **Date/Time Reference**

Pos: 0900	**Max: 5**
Heading - Optional	
Loop: N/A	**Elements: 4**

User Option (Usage): Used
Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM01	374	**Date/Time Qualifier**	M	ID	3/3	Must use

Description: Code specifying type of date or time, or both date and time

Code	Name
002	Delivery Requested

> **User Note 1:**
> *If used, this is intended to identify the data and time when the equipment being picked up from the customer's dock will arrive at the Rail Facility. This is provided by the party submitting shipment information to the origin carrier, and should be passed to the next carrier in the route via transaction set 417.*

017	Estimated Delivery

> **User Note 1:**
> *If used, this is intended to identify the date and time of final delivery to receiving customer's dock/facility for unloading. If equipment is to be loaded on a sailing vessel, date and time should be interpreted as vessel cut-off time. This is provided by the party submitting shipment information to the origin carrier, and should be passed to the next carrier in the route via transaction set 417.*

037	Ship Not Before
038	Ship No Later
067	Current Schedule Delivery
068	Current Schedule Ship
069	Promised for Delivery
074	Requested for Delivery (Prior to and Including)

> **User Note 1:**
> *Used only in conjunction with "017" to identify a requested delivery window. Not all carriers support functionality. Contact trading partner prior to use.*

110	Originally Scheduled Ship
118	Requested Pickup
196	Start
197	End
198	Completion
209	Contract Performance Start
210	Contract Performance Delivery
372	Actual Arrival Date
458	Certification

> **User Note 1:**
> *Used for Safe Container Act compliance.*

ICF	Converted to Electronic Date

> **User Note 1:**
> *Used for Safe Container Act compliance.*

DTM02	373	**Date**	X	DT	8/8	Used

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

DTM03	337	**Time**	X	TM	4/4	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)

| DTM04 | 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

Code	**Name**
CT	Central Time
ET	Eastern Time
LT	Local Time
MT	Mountain Time
PT	Pacific Time

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

N7   **Equipment Details**

Pos: 1000	Max: 1
Heading - Mandatory	
Loop: N7	Elements: 16

User Option (Usage): Must use
Purpose: To identify the equipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N701	206	**Equipment Initial**	O	AN	2/4	Used

Description: Prefix or alphabetic part of an equipment unit's identifying number
CSX Note 1: Data element 206 (Equipment Initial) is always alphabetic and is a minimum of two characters in length on all Rail transaction sets.

CSX Note 2: If initial is not known, or absent, then Trailer/Van or Chassis without an initial will be "NONZ", a Container without initial will be "NONU".

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N702	207	**Equipment Number**	M	AN	1/6	Must use

Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)
CSX Note 1: Data element 207 (Equipment Number) is always numeric, is left justified without any leading zeroes or blanks and shall not include the check digit. Limited to 6 characters.
CSX Note 2: Check digit, if used,   is to be sent in the N718.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N703	81	**Weight**	X	R	1/10	Used

Description: Numeric value of weight
CSX Note 1: The numeric value of the weight of the shipment.
CSX Note 2: Whole numbers only.
CSX Note 3: For intermodal traffic, billing will not process if the following weight edits are not followed:

> *Trailers - Lesser of 65,000 lbs Gross Weight or manufacturer's limit.*
>
> *Containers - 40 - 53 Feet or less - Lesser of 67,200 lbs Gross Weight or manufacturer's limit.*
>
> *Containers - 20 Feet - Lesser of 52,900 lbs Gross Weight or manufacturer's limit.*
>
> *Containers on Chassis - 53 feet or less - Lesser of 65,000 lbs Gross Weight or manufacturer's limit.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N704	187	**Weight Qualifier**	X	ID	1/2	Used

Description: Code specifying the type of weight

Code	Name
E	Estimated Net Weight
G	Gross Weight
N	Actual Net Weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N705	167	**Tare Weight**	X	N0	3/8	Used

Description: Weight of the equipment

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N706	232	**Weight Allowance**	O	N0	2/6	Used

Description: Allowance made for increased weight due to such factors as snow

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N707	205	**Dunnage**	O	N0	1/6	Used

Description: Weight of material used to protect lading (even bracings, false floors, etc.)
CSX Note 1: Dunnage weight only.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N711	40	**Equipment Description Code**	O	ID	2/2	Used

Description: Code identifying type of equipment used for shipment

Code	Name
BG	Bogie

BU	Buffer Car						
CA	Caboose						
CC	Container resting on a Chassis						
CH	Chassis						
CM	Container, Open-Sided						
CN	Container						
CX	Container, Tank						
CZ	Refrigerated Container						
GS	Generator Set						
ID	Idler Car						
LO	Locomotive						
LS	Half Height Flat Rack						
OT	Open-top/flatbed trailer						
PL	Container, Platform						
PT	Protected Trailer						
RR	Rail Car						
RT	Controlled Temperature Trailer (Reefer)						
SK	Stack Car						
TL	Trailer (not otherwise specified)						
TN	Tank Car						

N715	567	**Equipment Length**	O	N0	4/5	Used

Description: Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)
CSX Note 1: *Outside length required for intermodal equipment.*

N716	571	**Tare Qualifier Code**	X	ID	1/1	Used

Description: Code identifying the type of tare
All valid standard codes are used.

N718	761	**Equipment Number Check Digit**	O	N0	1/1	Used

Description: Number which designates the check digit applied to a piece of equipment

N720	65	**Height**	O	R	1/8	Used

Description: Vertical dimension of an object measured when the object is in the upright position

N721	189	**Width**	O	R	1/8	Used

Description: Shorter measurement of the two horizontal dimensions measured with the object in the upright position

N722	24	**Equipment Type Code**	O	ID	4/4	Not used

Description: Code identifying equipment type

N723	140	**Standard Carrier Alpha Code**	O	ID	2/4	Not used

Description: Code identifying the Standard Carrier Alpha Code

N724	301	**Car Type Code**	O	ID	1/4	Used

Description: Code specifying type of rail car or intermodal equipment type and its general characteristics
CSX Note 1: *The value will be the AAR Equipment Type code.*

Syntax Rules:

1. P0304 - If either N703 or N704 is present, then the other is required.
2. P0516 - If either N705 or N716 is present, then the other is required.
3. P0809 - If either N708 or N709 is present, then the other is required.

Semantics:

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.

CSX   Note 1:

For multiple tenders, multiple N7 segments may each include the specific weights for the equipment specified and may become the basis for the individual waybills prepared.

VC Motor Vehicle Control

Pos: 1100	**Max: 1**
Heading - Optional	
Loop: VC	**Elements: 8**

User Option (Usage): Used
Purpose: To define motor vehicle identification and logistics

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
VC01	539	**Vehicle Identification Number**	M	AN	1/30	Must use

Description: Unique identification number stamped on the vehicle by the manufacturer

Ref	Id	Element Name	Req	Type	Min/Max	Usage
VC02	836	**Vehicle Deck Position Code**	O	ID	2/2	Used

Description: Code identifying the specific position of a vehicle on multi-level equipment; when dealing with rail cars the front end will be defined as that end of the rail car which the vehicle faces
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
VC03	837	**Vehicle Type Code**	O	ID	1/1	Used

Description: Code specifying the Vehicle Type Code for freight rate and claims purposes

Code	Name
1	Automobile
2	Truck
3	Others
4	Used Vehicles
5	Military

Ref	Id	Element Name	Req	Type	Min/Max	Usage
VC04	838	**Dealer Code**	O	AN	2/9	Used

Description: A code assigned by a manufacturer to identify their dealers

Ref	Id	Element Name	Req	Type	Min/Max	Usage
VC05	1	**Route Code**	O	AN	1/13	Used

Description: Mutually defined route code
CSX Note 1: *Auto Manufacturer's route code.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
VC10	583	**Factory Car Order Number**	O	AN	6/10	Used

Description: This number to be supplied by the shipper for Canadian customer requirements at border points for all finished motor vehicles exported to the United States from Canada

Ref	Id	Element Name	Req	Type	Min/Max	Usage
VC12	1543	**Equipment Orientation Code**	O	ID	1/1	Used

Description: Code indicating the direction the equipment is entrained or the lading is loaded;   When used to indicate the lading orientation, direction is defined relative to the equipment on which it is loaded
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
VC13	310	**Location Identifier**	O	AN	1/30	Used

Description: Code which identifies a specific location
CSX Note 1: *Code designated by the manufacturer to identify destination ramp*

Semantics:

1. VC05 is the automotive manufacturer route code.
2. VC12 is the direction the headlights of the vehicle point.
3. VC13 is the final destination ramp location as assigned by the manufacturer.

CSX   Note 1:

VIN Numbers are passed here and not as a free-form description in the L502

N1   Party Identification

Pos: 1120	**Max: 1**
Heading - Optional	
Loop: N1	**Elements: 6**

User Option (Usage): Used
Purpose: To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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 specifying 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 specifying 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.

N3   **Party Location**

<table>
<tr><td>Pos: 1140</td><td>Max: 2</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N1</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Used
Purpose: To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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: 1160	**Max: 1**
Heading - Optional	
Loop: N1	**Elements: 8**

User Option (Usage): Used
Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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 specifying the Standard State/Province as defined by appropriate government agency				
N403	116	**Postal Code**	X	ID	3/15	Used
		Description: Code specifying 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				
N408	1702	**Postal Code-Formatted**	X	AN	3/20	Used
		Description: A postal code value including punctuation, blanks and other characters as defined by the postal authority				

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. E0308 - Only one of N403 or N408 may be present.
3. C0605 - If N406 is present, then N405 is required.
4. 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.
2. N403 contains the postal code in an unstructured format.   N408 contains the postal code in a structured format.   When a postal code data field is used, the parties shall agree as to which data element (N403 or N408) shall be used in the transaction set.

H3   Special Handling Instructions

Pos: 1180	Max: 1
Heading - Optional	
Loop: N1	Elements: 5

User Option (Usage): Used
Purpose: To specify special handling instructions in coded or free-form format

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
H301	152	**Special Handling Code**	X	ID	2/3	Used

    Description: Code specifying special transportation handling instructions
All valid standard codes are used.

H302	153	**Special Handling Description**	X	AN	2/30	Used

    Description: Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate

H303	241	**Protective Service Code**	O	ID	1/4	Used

    Description: Code specifying perishable protective service- rail carriers only
All valid standard codes are used.

H304	242	**Vent Instruction Code**	O	ID	1/7	Used

    Description: Code specifying vent instructions
All valid standard codes are used.

H305	257	**Tariff Application Code**	O	ID	1/1	Used

    Description: Code indicating to which traffic a tariff applies
All valid standard codes are used.

Syntax Rules:

1. E0102 - Only one of H301 or H302 may be present.

M7   Seal Numbers

Pos: 1300	Max: 5
Heading - Optional	
Loop: N7	Elements: 4

User Option (Usage): Used
Purpose: To record seal numbers used and the organization that applied the seals

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
M701	225	**Seal Number**	M	AN	2/15	Must use
		Description: Unique number on seal used to close a shipment				
M702	225	**Seal Number**	O	AN	2/15	Used
		Description: Unique number on seal used to close a shipment				
M703	225	**Seal Number**	O	AN	2/15	Used
		Description: Unique number on seal used to close a shipment				
M704	225	**Seal Number**	O	AN	2/15	Used
		Description: Unique number on seal used to close a shipment				

Comments:

1. M705 indicates the name of the organization which applied the seal(s).

M12 In-bond Identifying Information

Pos: 1700	Max: 2
Heading - Optional	
Loop: N7	Elements: 10

User Option (Usage): Used
Purpose: To transmit in-bond information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
M1201	581	**Customs Entry Type Code**	M	ID	2/3	Must use

Description: Code specifying the type of entry assigned by U.S. Customs and Border Protection (CBP)
CSX Note 1: 61 Immediate Transportation (Imported to US) 62 Transportation Exportation (Imported and final destination is outside the US) 63 Immediate Exportation (Imported to US, Export from the US, with no in-transit movement) 69 Transit (This signifies US-CANADA-US movements) 70 Multi-Transit (This signifies traffic with multiple US border crossings with the shipment terminating in the US) A2 Rail In-bond - No Carrier Remanifest (If used, M1208 must equal 'XC') A6 Ocean In-bond - No Carrier Remanifest (If used, M1208 must equal 'XC') A8 Truck In-bond - Carrier Remanifest (If used, M1208 must equal 'XC') DP Duty Paid - Cleared Customs (If used, M1208 must equal 'XC')

M1202	601	**Customs Entry Number**	X	AN	1/50	Used

Description: Automated Commercial System Code Furnished by U.S. Customs Service and Border Protection (CBP)
CSX Note 1: Carriers authorized to participate in Paperless In-bond will be assigned a 3-position filer identification code. This code is used with a check digit routine to create a paperless In-bond number. Check digit routine is defined by U.S. Customs CAMIR document.

The resulting format should contain "V" with a 10 character identifier (i.e. VXXNNNNNNNN where X are alpha-numeric and N are numeric values.

M1203	310	**Location Identifier**	O	AN	1/30	Used

Description: Code which identifies a specific location
CSX Note 1: This is the port of destination if M1201 is '61'. It is the port of export if M1201 is '62' or '63'. It is the first U.S. physical port of re-entry if M1201 is '69' or '70'.

M1204	310	**Location Identifier**	O	AN	1/30	Used

Description: Code which identifies a specific location
CSX Note 1: This is the foreign port of destination if M1201 is '62' or '63'.

M1205	602	**Customs Shipment Value**	O	N0	2/9	Used

Description: Customs value in whole dollars
CSX Note 1: Represents the total of all X111's plus XH04 for shipments intended to move In-Bond into the US.

CSX Note 2: Required for US bonds.

M1206	603	**In-bond Control Number**	X	AN	1/50	Used

Description: Currently assigned control number for in-bond movement
CSX Note 1: If used, should contain the 9 character numeric conventional in-bond number.

M1208	128	**Reference Identification Qualifier**	X	ID	2/3	Used

Description: Code identifying the Reference Identification

Code	Name
BI	Bonded Carrier Internal Revenue Service Identification Number
S4	Shippers Bond Number
XC	Cargo Control Number

User Note 1:
Only used if M1201 is "A2", "A6", "A8", or "DP".

| LOP | Port of Load Location Number |

User Note 1:
Only used for bonded traffic originating in Mexico.

	POD		Port of Destination Location Number			

User Note 1:
Only used for bonded traffic destined to Mexico.

M1209	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

CSX Note 1: *Contains the IRS number or Standard Carrier Alpha Code (SCAC) of the bond holder identified in M1208 for codes 'BI' and 'S4'.*

CSX Note 2: *If used for Canadian In-Bond reporting, this will contain the Cargo Control Number (CCN).*
CSX Note 3: *If M1208 is either "LOP" or "POD" this will contain the bonded facility as defined in Schedule O.*

M1210	91	**Transportation Method/Type Code**	X	ID	1/2	Used

Description: Code specifying the method or type of transportation for the shipment
CSX Note 1: *May only be used if M1201 is '62' to eliminate Department of Commerce form 7513.*

Code	**Name**
S	Ocean

M1211	182	**Vessel Name**	X	AN	2/28	Used

Description: Name of ship as documented in "Lloyd's Register of Ships"
CSX Note 1: *Vessel to be loaded for export, if known.*

Syntax Rules:

1. E0206 - Only one of M1202 or M1206 may be present.
2. C0608 - If M1206 is present, then M1208 is required.
3. P0809 - If either M1208 or M1209 is present, then the other is required.
4. P1011 - If either M1210 or M1211 is present, then the other is required.

Semantics:

1. M1203 is a four-digit numeric census schedule D when identifying a U.S. port, and a three-digit numeric memorandum D when identifying a Canadian port. It is the port of destination if M1201 is "61". It is the port of export if M1201 is "62" or "63".
2. M1204 is five-digit numeric census schedule K. It is the foreign port of destination if M1201 is "62" or "63".
3. M1207 identifies the carrier to whom liability is transferred.
4. M1212 is the Food and Drug Administration prior notification requirement indicator. A "Y" indicates that the shipper has advised the commodity is subject to the prior notification requirement. An "N" indicates the commodity is not subject to the prior notification requirement. If blank the default value is "N".
5. M1213 is the estimated date of departure of the in-bond shipment from the U.S.
6. M1214 is the FIRMS (Facilities Information Resources Management System) code of the location of the in-bond shipment.

Comments:

1. If M1202 does not contain the paperless entry number, then M1206 is required by the importing border crossing carrier.
2. M1205 is the value in whole dollars of the in-bond movement. Use twenty dollars per kilo if value is unknown.

CSX   Note 1:

This segment is mandatory for all rail in-bond shipments. If while the shipment is still in-transit the carrier handling the shipment receives notification of customs release and the cargo is no longer in-bond that carrier should generate a waybill correction without the M12 segment.

CSX Note 2:

M1206 contains the conventional In-bond number.

CSX Note 3:

M1202 or M1206 is required.

E1

Empty Car Disposition - Pended Destination Consignee

Pos: 1710	**Max:** 1
Heading - Optional	
Loop: E1	**Elements:** 3

User Option (Usage): Used
Purpose: To identify the party receiving the empty car

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
E101	93	**Name**	M	AN	1/35	Must use

> **Description:** Free-form name
> **CSX Note 1:** *Must contain the full spelling of the intended destination consignee.*
> **CSX Note 2:** *Limited to 35 for Rail Transactions.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
E102	66	**Identification Code Qualifier**	X	ID	1/2	Used

Description: Code specifying the system/method of code structure used for Identification Code (67)

Code	Name
C5	Customer Identification File

Ref	Id	Element Name	Req	Type	Min/Max	Usage
E103	67	**Identification Code**	X	AN	2/80	Used

Description: Code identifying a party or other code
> **CSX Note 1:** *When qualified by 'C5' this field must contain the full 13 character CIF format including leading zeros. This format is defined as either 9 character alphanumeric (CIF ID) or 9 digit numeric (DUNS number) plus the 4 digit sub-location number. When conveying a primary location the sub-location will be zeros. For example: '0123456780000' when DUNS = 012345678 and the + 4 = 0000. "A222222220000' where CIF IF = A22222222 and the + 4 = 0000.*

Syntax Rules:

1. P0203 - If either E102 or E103 is present, then the other is required.

E4 Empty Car Disposition - Pended Destination City

Pos: 1720   **Max: 1**
Heading - Optional
Loop: E1   **Elements: 5**

User Option (Usage): Used
Purpose: To specify the geographic place of named party receiving the empty car

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
E401	19	**City Name**	M	AN	2/30	Must use

Description: Free-form text for city name
CSX Note 1: *Limited to 19 from the Rail Station name as defined in the AAR Centralized Station Master.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
E402	156	**State or Province Code**	M	ID	2/2	Must use

Description: Code specifying the Standard State/Province as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
E403	116	**Postal Code**	O	ID	3/15	Used

Description: Code specifying international postal zone code excluding punctuation and blanks (zip code for United States)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
E404	26	**Country Code**	O	ID	2/3	Used

Description: Code identifying the country
CSX Note 1: *Valid values are US, CA, or MX.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
E405	166	**Address Information**	O	AN	1/55	Used

Description: Address information

E5   Empty Car Disposition - Pended Destination Route

Pos: 1730	**Max: 13**
Heading - Optional	
Loop: E1	**Elements: 4**

User Option (Usage): Used
Purpose: To specify the routing of the empty car

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
E501	140	**Standard Carrier Alpha Code**	M	ID	2/4	Must use

Description: Code identifying the Standard Carrier Alpha Code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
E502	133	**Routing Sequence Code**	M	ID	1/2	Must use

Description: Code specifying the relationship of a carrier to a specific shipment movement
CSX Note 1: *E502 values must be transmitted in the order in which they will occur in the transportation process.*

Code	Name
1	1st Carrier after Origin Carrier
2	2nd Carrier after Origin Carrier
3	3rd Carrier after Origin Carrier
4	4th Carrier after Origin Carrier
5	5th Carrier after Origin Carrier
6	6th Carrier after Origin Carrier
7	7th Carrier after Origin Carrier
8	8th Carrier after Origin Carrier
9	9th Carrier after Origin Carrier
A	Origin Carrier, Agent's Routing (Rail)
D	DELY (Delivery Switch Carrier)
I	Origin Switch Carrier
R	Origin Carrier, Rule 11 Shipment
S	Origin Carrier, Shipper's Routing (Rail)
V	Intermediate Switch Carrier
JD	Junction Settlement Carrier Following (Destination carrier receiving revenues resulting from junction contract)
JI	Junction Settlement Carrier Intermediate
JO	Junction Settlement Carrier Predecessor (Origin carrier receiving revenues resulting from junction contract)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
E503	19	**City Name**	O	AN	2/30	Used

Description: Free-form text for city name
CSX Note 1: *Must use the R260 Junction abbreviation.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
E504	154	**Standard Point Location Code**	O	ID	6/9	Used

Description: Code specifying the Standard Point Location code defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city

PI Price Authority Identification

Pos: 1740	Max: 1
Heading - Optional	
Loop: E1	Elements: 16

User Option (Usage): Used
Purpose: To communicate basis of pricing, such as contract number, quote number, or tariff number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PI01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code identifying the Reference Identification
All valid standard codes are used.

| PI02 | 127 | **Reference Identification** | M | AN | 1/80 | Must use |

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

| PI03 | 436 | **Primary Publication Authority Code** | O | ID | 2/2 | Used |

Description: Code indicating type of external reference
All valid standard codes are used.

| PI04 | 930 | **Regulatory Agency Code** | O | ID | 3/5 | Used |

Description: Code identifying the regulatory agency governing the price reference

| PI05 | 168 | **Tariff Agency Code** | O | ID | 1/4 | Used |

Description: Code specifying the tariff bureau or tariff publishing agent that governs the rates applied to this shipment

| PI06 | 965 | **Issuing Carrier Identifier** | O | AN | 1/10 | Used |

Description: Identification assigned by issuing carrier

| PI07 | 660 | **Contract Suffix** | O | AN | 1/2 | Used |

Description: Used to identify a type of contract

| PI08 | 169 | **Tariff Item Number** | O | AN | 1/16 | Used |

Description: Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment

| PI09 | 173 | **Tariff Supplement Identifier** | O | AN | 1/4 | Used |

Description: Identifier for the tariff supplement which contains the rate used

| PI10 | 172 | **Tariff Section Number** | O | AN | 1/2 | Used |

Description: Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff

| PI11 | 660 | **Contract Suffix** | O | AN | 1/2 | Used |

Description: Used to identify a type of contract

| PI12 | 373 | **Date** | O | DT | 8/8 | Used |

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

| PI13 | 373 | **Date** | O | DT | 8/8 | Used |

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

| PI14 | 629 | **Alternation Precedence Code** | O | ID | 1/1 | Used |

Description: Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual

carrier rules and procedures shall govern
All valid standard codes are used.

| PI15 | 629 | **Alternation Precedence Code** | O | ID | 1/1 | Used |

Description: Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual carrier rules and procedures shall govern
All valid standard codes are used.

| PI16 | 284 | **Service Level Code** | O | ID | 2/2 | Used |

Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier
All valid standard codes are used.

Semantics:

1. PI07 is the price authority suffix for the contract.
2. PI08 is the price authority item number.
3. PI09 is the price authority supplement.
4. PI10 is the price authority section number.
5. PI11 is the price authority suffix for tariff.
6. PI12 is the effective date.
7. PI13 is the expiration date.

CSX   Note 1:

This segment is used to identify a specific contract number related to the 'E' segments above.

GA   **Canadian Grain Information**

Pos: 1750	**Max: 15**
Heading - Optional	
Loop: N7	**Elements: 18**

User Option (Usage): Used
Purpose: To transmit the transportation and distribution requirements of grain at Canadian ports

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GA01	1275	**Fumigated/Cleaned Indicator Code**	O	ID	1/1	Used

Description: Code indicating whether product has been fumigated and/or cleaned
All valid standard codes are used.

GA02	22	**Commodity Code**	O	AN	1/30	Used

Description: Code describing a commodity or group of commodities

GA03	1576	**Inspected/Weighed Indicator Code**	O	ID	1/2	Used

Description: Code indicating whether product has been inspected and/or weighed
All valid standard codes are used.

GA04	128	**Reference Identification Qualifier**	X	ID	2/3	Used

Description: Code identifying the Reference Identification
All valid standard codes are used.

GA05	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

GA06	642	**Week**	O	N0	6/6	Used

Description: Week expressed as year/week (CCYYWW), where week is a number between 01 and 53 inclusive

GA07	899	**Unload Terminal Elevator Code**	O	ID	3/4	Used

Description: Code specifying the unloading terminal elevator at grain exporting terminals

GA08	373	**Date**	O	DT	8/8	Used

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

GA09	1470	**Number**	O	N0	1/9	Used

Description: A generic number

GA10	1276	**Machine Separable Indicator Code**	O	ID	2/2	Used

Description: Code specifying the Canadian Grain Commission code identifying the type of grain that must be separated

GA11	1277	**Canadian Wheat Board (CWB) Marketing Class Code**	O	ID	1/1	Used

Description: Code identifying the Canadian Wheat Board market class of the grain
All valid standard codes are used.

GA12	1278	**Canadian Wheat Board (CWB) Marketing Class Type Code**	O	ID	1/1	Used

Description: Code identifying Canadian Wheat Board market class type
All valid standard codes are used.

GA13	1073	**Yes/No Condition or Response Code**	O	ID	1/1	Used

Description: Code indicating a Yes or No condition or response
All valid standard codes are used.

| GA14 | 310 | **Location Identifier** | X | AN | 1/30 | Used |

Description: Code which identifies a specific location

| GA15 | 156 | **State or Province Code** | X | ID | 2/2 | Used |

Description: Code specifying the Standard State/Province as defined by appropriate government agency

| GA16 | 1004 | **Percent Qualifier** | X | ID | 1/2 | Used |

Description: Code specifying the percent qualifier
All valid standard codes are used.

| GA17 | 954 | **Percentage as Decimal** | X | R | 1/10 | Used |

Description: Percentage expressed as a decimal (e.g., 0.0 through 1.0 represents 0% through 100%)

| GA18 | 1073 | **Yes/No Condition or Response Code** | O | ID | 1/1 | Used |

Description: Code indicating a Yes or No condition or response
All valid standard codes are used.

Syntax Rules:

1. P0405 - If either GA04 or GA05 is present, then the other is required.
2. P1415 - If either GA14 or GA15 is present, then the other is required.
3. P1617 - If either GA16 or GA17 is present, then the other is required.

Semantics:

1. GA02 is required on the first occurrence of the segment and for each new occurrence of a different commodity code.
2. GA06 is used for crop week.
3. GA08 is used for the unload date.
4. GA09 will contain the number of cars being claimed for incentive rate.
5. If GA13 is equal to "Y" then this is a direct hit to departure wharf for vessel loading. If "N" this is to be unloaded at terminal and GA14 is required to identify the terminal or staging area prior to vessel loading.
6. GA14 is the terminal or staging area name.
7. GA18 indicates whether a Canadian Wheat Board Performance car is involved. If GA18 is equal to "Y", then this indicates a Performance Car is involved. If GA18 is equal to "N" a Performance car is not involved. The default value is "N" if absent.

Comments:

1. GA02 contains the Canadian Grain Commission Commodity Code for terminal elevator accounting.
2. GA05 is used for grain block number.

REF Reference Information

Pos: 1770	**Max: 1**
Heading - Optional	
Loop: REF	**Elements: 3**

User Option (Usage): Used
Purpose: To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code identifying the Reference Identification

Code	Name
1O	Consolidation Shipment Number

> **User Note 1:**
> *This code is used in support of co-loading shipment. If used, BX03 must equal "MX".*
>
> *Not all carriers support co-loading shipments. Contact trading partners prior to use.*

94	File Identification Number

> **User Note 1:**
> *Used to identify a commodity group for transferred multiple bills of lading within one piece of equipment. If used N10 loop is required.*

OB	Ocean Bill of Lading

> **User Note 1:**
> *If used, N10 loop is required.*

PN	Permit Number
XC	Cargo Control Number
XP	Previous Cargo Control Number
COT	Certificate of Transportation
CUB	U.S. Customs and Border Protection (CBP) Bill of Lading Number

> **User Note 1:**
> *Used for the US Customs Unique Bill of Lading Number.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	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

CSX Note 1: *When REF01 equals "1O" this field contains a sequential value beginning at 1 and incrementing by 1 for each occurrence.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF03	352	**Description**	X	AN	1/80	Used

Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

N10   Quantity and Description

Pos: 1780	**Max: 15**
Heading - Optional	
Loop: REF	**Elements: 13**

User Option (Usage): Used
Purpose: To indicate line item quantity, description, marks and numbers, commodity code, weight, and customs value

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N1001	380	**Quantity**	O	R	1/15	Used
		Description: Numeric value of quantity				
N1002	369	**Free-form Description**	O	AN	1/45	Used
		Description: Free-form descriptive text				
N1003	87	**Marks and Numbers**	O	AN	1/48	Used
		Description: Marks and numbers used to identify a shipment or parts of a shipment				
N1004	23	**Commodity Code Qualifier**	X	ID	1/2	Used
		Description: Code identifying the commodity coding system used for Commodity Code **All valid standard codes are used.**				
N1005	22	**Commodity Code**	X	AN	1/30	Used
		Description: Code describing a commodity or group of commodities				
N1006	602	**Customs Shipment Value**	X	N0	2/9	Used
		Description: Customs value in whole dollars				
N1007	188	**Weight Unit Code**	X	ID	1/1	Used
		Description: Code specifying the weight unit **All valid standard codes are used.**				
N1008	81	**Weight**	X	R	1/10	Used
		Description: Numeric value of weight				
N1009	127	**Reference Identification**	O	AN	1/80	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
N1010	599	**Manifest Unit Code**	O	ID	1/3	Used
		Description: Code specifying the smallest package unit for the bill of lading				
N1011	26	**Country Code**	O	ID	2/3	Used
		Description: Code identifying the country				
N1012	26	**Country Code**	O	ID	2/3	Used
		Description: Code identifying the country				
N1013	100	**Currency Code**	O	ID	3/3	Used
		Description: Code specifying the Standard ISO code for country in whose currency the charges are specified				

Syntax Rules:

1. P0405 - If either N1004 or N1005 is present, then the other is required.
2. P0708 - If either N1007 or N1008 is present, then the other is required.
3. C1306 - If N1013 is present, then N1006 is required.

Semantics:

1. If N1013 is not used, the default currency of N1006 is USD (US Dollar).
2. N1009 is the U.S. Customs and Border Protection (CBP) bar code number for line release.
3. N1011 is the country of the manufacturer of the goods.
4. N1012 is the country of the final destination of the goods.
5. N1013 is the currency of the value of N1006.

F9   Origin Station

Pos: 1900	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 2**

User Option (Usage): Must use
Purpose: To identify the rail origin of the shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
F902	19	**City Name**	M	AN	2/19	Must use

> **Description:** Free-form text for city name
> **CSX Note 1:** *Limited to Rail 19 character station name as defined by the AAR Centralized Station Master.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
F903	156	**State or Province Code**	M	ID	2/2	Must use

> **Description:** Code specifying the Standard State/Province as defined by appropriate government agency

Syntax Rules:

1. P0607 - If either F906 or F907 is present, then the other is required.

Semantics:

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.

D9   Destination Station

Pos: 2000	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use
Purpose: To identify the rail destination of the shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
D902	19	**City Name**	M	AN	2/19	Must use

Description: Free-form text for city name
CSX Note 1: *Limited to Rail 19 character station name as defined by the AAR Centralized Station Master.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
D903	156	**State or Province Code**	M	ID	2/2	Must use

Description: Code specifying the Standard State/Province as defined by appropriate government agency

Syntax Rules:

1. P0607 - If either D906 or D907 is present, then the other is required.

Semantics:

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.

N1   Party Identification

Pos: 2100	**Max: 1**
Heading - Mandatory	
Loop: N1	**Elements: 4**

User Option (Usage): Must use
Purpose: To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

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

Code	Name
11	Party to be billed(AAR Accounting Rule 11)
AP	Account of (Origin Party)
AQ	Account of (Destination Party)
BN	Beneficial Owner
C1	In Care Of Party no. 1
CN	Consignee
FW	Forwarder
IM	Importer
MC	Motor Carrier
N1	Notify Party
PF	Party to Receive Freight Bill
PV	Party performing certification
SF	Ship From
SH	Shipper
UC	Ultimate Consignee
XQ	Canadian Customs Broker
XR	Mexican Customs Broker
XU	United States Customs Broker

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	M	AN	1/35	Must use

Description: Free-form name
CSX Note 1: *Limited to 35 for Rail Transactions.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	Used

Description: Code specifying the system/method of code structure used for Identification Code (67)

Code	Name
17	Automated Broker Interface (ABI) Routing Code
AI	Automotive Identifier for Canada Border Services Agency
BF	Broker Filer ID
BN	Canada Revenue Agency (CRA) Business Number
C5	Customer Identification File
FI	Federal Taxpayer's Identification Number
M5	Jurisdiction Code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	X	AN	2/80	Used

Description: Code identifying a party or other code
CSX Note 1: *When N103 equals 'M5' or 'BN' this field must contain the Canada Customs and Revenue Agency Business Number for the importer of the goods for Canada Customs.*

CSX Note 2: *When qualified by 'C5' this field should contain the full 13 character CIF format including leading zeros. This format is defined as either 9 character alphanumeric (CIF ID) or 9 digit numeric (DUNS number) plus the 4 digit sub-location number. When conveying a primary location the sub-location will be zeros. For example: '0123456780000' where DUNS = 012345678 and the + 4 = 0000. 'A222222220000' where CIF ID = A22222222 and the + 4 = 0000.*

CSX Note 3: *When N103 equals '2' this field must contain the US Customs Carrier SCAC or FIRMS code.*

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.

CSX   Note 1:

N101 (Data Element 98) will qualify the party (i.e.: Consignee, Shipper, Party to Receive Freight Bill, Party to be Billed (AAR Rule 11)), and N102 will contain the name of the party etc.

CSX Note 2:

When conveying an associated telephone number, such as a party to be notified, the telephone number should appear in an associated PER segment, and NOT IN N103 and N104.

N3   Party Location

Pos: 2200   Max: 2
Heading - Mandatory
Loop: N1   Elements: 2

User Option (Usage): Used
Purpose: To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/30	Must use
		Description: Address information (Limited to 30 characters for Rail Transactions)				
N302	166	**Address Information**	O	AN	1/30	Used
		Description: Address information (Limited to 30 characters for Rail Transactions)				

CSX   Note 1:
Do not use for name of Care of Party.

CSX Note 2:
Required if N101 = '11' or 'PF'.

CSX Note 3:
Required if N101 = 'SH', 'CN, 'SF', 'UC', 'C1', 'BN' or 'IM' and this is a Transborder Shipment to meet Customs reporting requirements.

CSX Note 4:
The address for the entity defined as the 'consignor' by the Transportation of Dangerous Goods Regulations must have a complete Canadian address.

N4   Geographic Location

Pos: 2300	**Max: 1**
Heading - Mandatory	
Loop: N1	**Elements: 4**

User Option (Usage): Must use
Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	M	AN	2/19	Must use

Description: Free-form text for city name
CSX Note 1: *Limited to the rail 19 character station name as defined in the AAR Centralized Station Master, if used to specify a rail location.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N402	156	**State or Province Code**	M	ID	2/2	Must use

Description: Code specifying the Standard State/Province as defined by appropriate government agency
CSX Note 1: *If N101 equals 'IM', 'SF' or 'UC' and N404 is not US, CA or MX, pass 'ZZ' if no valid sub-division exists.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N403	116	**Postal Code**	M	ID	3/15	Must use

Description: Code specifying international postal zone code excluding punctuation and blanks (zip code for United States)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N404	26	**Country Code**	X	ID	2/3	Used

Description: Code identifying the country
CSX Note 1: *US, CA, MX*
CSX Note 2: *If N101 equals 'IM', 'SF' or 'UC', may use ISO 3166 code if not US, CA or MX*

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. E0308 - Only one of N403 or N408 may be present.
3. C0605 - If N406 is present, then N405 is required.
4. 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.
2. N403 contains the postal code in an unstructured format.   N408 contains the postal code in a structured format.   When a postal code data field is used, the parties shall agree as to which data element (N403 or N408) shall be used in the transaction set.

CSX   Note 1:
Required if N101 = '11' or 'PF'.

CSX Note 2:
Required if N101 'SH'. "CN', 'SF', 'UC', 'C1', 'BN' or 'IM' and this is a Transborder Shipment to meet Customs reporting requirements.

CSX Note 3:
The address for the entity defined as the 'consignor' by the Transportation of Dangerous Goods Regulations must have a complete Canadian address.

PER   Administrative Communications Contact

Pos: 2400   Max: 2
Heading - Optional
Loop: N1   Elements: 4

User Option (Usage): Used
Purpose: To identify a person or office to whom administrative communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER01	366	**Contact Function Code**	M	ID	2/2	Must use

Description: Code identifying the major duty or responsibility of the person or group named

Code	Name
DC	Delivery Contact
IC	Information Contact
NT	Notification Contact

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER02	93	**Name**	O	AN	1/35	Used

Description: Free-form name (Limited to 35 characters for Rail transactions)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER03	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number
CSX Note 1: *Must always be FX when paired with N101 of N1.*

Code	Name
EM	Electronic Mail
FX	Facsimile
TE	Telephone

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER04	364	**Communication Number**	X	AN	1/25	Used

Description: Complete communications number including country or area code when applicable
CSX Note 1: *N1*N1 must be paired with a fax number in the PER and is limited to 10 characters.*

CSX Note 2: *N1*MC with a PER qualifier of EM can be a maximum of 25 characters.*
CSX Note 3: *Billing will not process if the 404 is missing the PER segment if N101 = N1 for intermodal traffic.*

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

CSX   Note 1:

PER required on N101 of N1.

BL   Billing Information

Pos: 2520	**Max: 12**
Heading - Optional	
Loop: N1	**Elements: 17**

User Option (Usage): Used
Purpose: To identify the individual billing segments within a movement when joint rail rates have been established between carriers but do not cover the entire movement

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BL01	747	**Rebill Reason Code**	M	ID	2/2	Must use

Description: Code identifying reason for rebill

Code	Name
RC	R11 Collect Beyond
RD	R11 Prepaid Beyond

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BL02	573	**Freight Station Accounting Code**	X	ID	1/5	Used

Description: Code specifying the Freight Station Accounting code assigned for AAR Managed Codes for Locations

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BL03	573	**Freight Station Accounting Code**	X	ID	1/5	Used

Description: Code specifying the Freight Station Accounting code assigned for AAR Managed Codes for Locations

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BL04	154	**Standard Point Location Code**	O	ID	6/9	Used

Description: Code specifying the Standard Point Location code defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BL05	19	**City Name**	X	AN	2/30	Used

Description: Free-form text for city name
CSX Note 1: *Rule 260 name required.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BL06	156	**State or Province Code**	O	ID	2/2	Used

Description: Code specifying the Standard State/Province as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BL07	26	**Country Code**	O	ID	2/3	Used

Description: Code identifying the country
CSX Note 1: *Valid values are US, CA, and MX.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BL08	154	**Standard Point Location Code**	O	ID	6/9	Used

Description: Code specifying the Standard Point Location code defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BL09	19	**City Name**	X	AN	2/30	Used

Description: Free-form text for city name
CSX Note 1: *Rule 260 value required.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BL10	156	**State or Province Code**	O	ID	2/2	Used

Description: Code specifying the Standard State/Province as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BL11	26	**Country Code**	O	ID	2/3	Used

Description: Code identifying the country
CSX Note 1: *Valid values are US, CA, and MX.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BL12	140	**Standard Carrier Alpha Code**	M	ID	2/4	Used

Description: Code identifying the Standard Carrier Alpha Code

		CSX Note 1: *This element is related to BL02 and BL05.*				
BL13	140	**Standard Carrier Alpha Code**	O	ID	2/4	Used
		Description: Code identifying the Standard Carrier Alpha Code				
BL14	140	**Standard Carrier Alpha Code**	O	ID	2/4	Used
		Description: Code identifying the Standard Carrier Alpha Code				
BL15	140	**Standard Carrier Alpha Code**	O	ID	2/4	Used
		Description: Code identifying the Standard Carrier Alpha Code				
BL16	140	**Standard Carrier Alpha Code**	O	ID	2/4	Used
		Description: Code identifying the Standard Carrier Alpha Code				
BL17	140	**Standard Carrier Alpha Code**	O	ID	2/4	Used
		Description: Code identifying the Standard Carrier Alpha Code				

Syntax Rules:
1. R0205 - At least one of BL02 or BL05 is required.
2. R0309 - At least one of BL03 or BL09 is required.
3. C0605 - If BL06 is present, then BL05 is required.
4. C1009 - If BL10 is present, then BL09 is required.

Semantics:
1. BL02 is the FSAC for the origin point of the rate for this portion of this movement.
2. BL03 is the FSAC for the destination point of the rate for this portion of the movement.
3. BL04 is the Standard Point Location Code (SPLC) for the origin point of the rate for this portion of the movement.
4. BL05 through BL07 is the city, state, and country for the rate for the beginning portion of the move.
5. BL08 is the Standard Point Location Code (SPLC) for the destination point of the rate for this portion of the move.
6. BL09 through BL11 is the city, state, and country for the rate for ending portion of the move.
7. BL12 is the Standard Carrier Alpha Code (SCAC) of the first carrier participating in the rate for the move defined in BL02 through BL11.

CSX   Note 1:
The last SCAC listed in the BL12 through BL17 is related to BL03, BL08, BL09, BL10, and BL11.
CSX Note 2:
Used only if the N101 = '11'. The BL segment should not be used when all carriers in the route bill the same party to pay freight, unless any of the carriers in the route share a joint line rate.

R2   Route Information

Pos: 4600	**Max: 13**
Heading - Mandatory	
Loop: N/A	**Elements: 4**

User Option (Usage): Must use
Purpose: To specify carrier and routing sequences and details

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
R201	140	**Standard Carrier Alpha Code**	M	ID	2/4	Must use

Description: Code identifying the Standard Carrier Alpha Code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
R202	133	**Routing Sequence Code**	M	ID	1/2	Must use

Description: Code specifying the relationship of a carrier to a specific shipment movement

Code	Name
1	1st Carrier after Origin Carrier
2	2nd Carrier after Origin Carrier
3	3rd Carrier after Origin Carrier
4	4th Carrier after Origin Carrier
5	5th Carrier after Origin Carrier
6	6th Carrier after Origin Carrier
7	7th Carrier after Origin Carrier
8	8th Carrier after Origin Carrier
9	9th Carrier after Origin Carrier
A	Origin Carrier, Agent's Routing (Rail)
R	Origin Carrier, Rule 11 Shipment
S	Origin Carrier, Shipper's Routing (Rail)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
R203	19	**City Name**	O	AN	2/5	Used

Description: Free-form text for city name
CSX Note 1: *Contains Rule 260 Abbreviation only.(Example: CHICAGO   to be passed as CHGO)*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
R205	177	**Intermodal Service Code**	O	ID	1/2	Used

Description: Code identifying the Intermodal Service Plan
CSX Note 1: *Required on intermodal shipments (BX02 = X) when N711 contains CC, CH, CM, CN, CX, CZ, GS, LS, OT, PL, PT, RT or TL.*
CSX Note 2: 25 RAIL OWNED EQUIPMENT R-R RAMP TO RAMP 45 CSXU EQUIPMENT R-R RAMP TO RAMP 65 PATRON OWNED EQUIPMENT R-R RAMP TO RAMP PATRON SUPPLIED EQUIPMENT 85 STEAMSHIP/STACK OPERATOR OWNED EQUIPMENT R-R RAMP TO RAMP

Syntax Rules:
1. C0807 - If R208 is present, then R207 is required.

Semantics:
1. R203 is the station or city name at which carriers interchange shipments.
2. R210 is the billing date.

CSX   Note 1:
Each set of shipment information must include at least one R2 segment (Route Information). Where more than one R2 segment is applicable, each iteration of the R2 segment must be sent in the order in which they occur in the transportation process. When including interline city names, the AAR Rule 260 abbreviations should be used.

CSX Note 2:
At least one occurrence of the R2 is required with a value of 'S', or 'R' in the R202.

E1   Empty Car Disposition - Pended Destination Consignee

Pos: 4900   Max: 1
Heading - Optional
Loop: E1   Elements: 3

User Option (Usage): Used
Purpose: To identify the party receiving the empty car

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
E101	93	**Name**	M	AN	1/60	Must use
		Description: Free-form name				
E102	66	**Identification Code Qualifier**	X	ID	1/2	Used
		Description: Code specifying the system/method of code structure used for Identification Code (67) **All valid standard codes are used.**				
E103	67	**Identification Code**	X	AN	2/80	Used
		Description: Code identifying a party or other code				

Syntax Rules:

1. P0203 - If either E102 or E103 is present, then the other is required.

E4   Empty Car Disposition - Pended Destination City

Pos: 5000   **Max: 1**
Heading - Optional
Loop: E1   **Elements: 5**

User Option (Usage): Used
Purpose: To specify the geographic place of named party receiving the empty car

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
E401	19	**City Name**	M	AN	2/30	Must use
		Description: Free-form text for city name				
E402	156	**State or Province Code**	M	ID	2/2	Must use
		Description: Code specifying the Standard State/Province as defined by appropriate government agency				
E403	116	**Postal Code**	O	ID	3/15	Used
		Description: Code specifying international postal zone code excluding punctuation and blanks (zip code for United States)				
E404	26	**Country Code**	O	ID	2/3	Used
		Description: Code identifying the country				
E405	166	**Address Information**	O	AN	1/55	Used
		Description: Address information				

E5

Empty Car Disposition - Pended Destination Route

Pos: 5100	**Max: 13**
Heading - Optional	
Loop: E1	**Elements: 4**

User Option (Usage): Used
Purpose: To specify the routing of the empty car

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
E501	140	**Standard Carrier Alpha Code**	M	ID	2/4	Must use

   Description: Code identifying the Standard Carrier Alpha Code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
E502	133	**Routing Sequence Code**	M	ID	1/2	Must use

   Description: Code specifying the relationship of a carrier to a specific shipment movement
   All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
E503	19	**City Name**	O	AN	2/30	Used

   Description: Free-form text for city name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
E504	154	**Standard Point Location Code**	O	ID	6/9	Used

   Description: Code specifying the Standard Point Location code defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city

PI   Price Authority Identification

Pos: 5110		**Max: 1**
Heading - Optional		
Loop: E1		**Elements: 16**

User Option (Usage): Used
Purpose: To communicate basis of pricing, such as contract number, quote number, or tariff number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PI01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code identifying the Reference Identification
All valid standard codes are used.

PI02	127	**Reference Identification**	M	AN	1/80	Must use

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

PI03	436	**Primary Publication Authority Code**	O	ID	2/2	Used

Description: Code indicating type of external reference
All valid standard codes are used.

PI04	930	**Regulatory Agency Code**	O	ID	3/5	Used

Description: Code identifying the regulatory agency governing the price reference

PI05	168	**Tariff Agency Code**	O	ID	1/4	Used

Description: Code specifying the tariff bureau or tariff publishing agent that governs the rates applied to this shipment

PI06	965	**Issuing Carrier Identifier**	O	AN	1/10	Used

Description: Identification assigned by issuing carrier

PI07	660	**Contract Suffix**	O	AN	1/2	Used

Description: Used to identify a type of contract

PI08	169	**Tariff Item Number**	O	AN	1/16	Used

Description: Number assigned in the tariff to specific rate or group of rates that applies to one or more items in the shipment

PI09	173	**Tariff Supplement Identifier**	O	AN	1/4	Used

Description: Identifier for the tariff supplement which contains the rate used

PI10	172	**Tariff Section Number**	O	AN	1/2	Used

Description: Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff

PI11	660	**Contract Suffix**	O	AN	1/2	Used

Description: Used to identify a type of contract

PI12	373	**Date**	O	DT	8/8	Used

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

PI13	373	**Date**	O	DT	8/8	Used

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

PI14	629	**Alternation Precedence Code**	O	ID	1/1	Used

Description: Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual

carrier rules and procedures shall govern
All valid standard codes are used.

PI15	629	**Alternation Precedence Code**	O	ID	1/1	Used

Description: Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual carrier rules and procedures shall govern
All valid standard codes are used.

PI16	284	**Service Level Code**	O	ID	2/2	Used

Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier
All valid standard codes are used.

Semantics:

1. PI07 is the price authority suffix for the contract.
2. PI08 is the price authority item number.
3. PI09 is the price authority supplement.
4. PI10 is the price authority section number.
5. PI11 is the price authority suffix for tariff.
6. PI12 is the effective date.
7. PI13 is the expiration date.

H3   **Special Handling Instructions**

Pos: 5200	**Max: 20**
Heading - Optional	
Loop: N/A	**Elements: 2**

User Option (Usage): Used
Purpose: To specify special handling instructions in coded or free-form format

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
H301	152	**Special Handling Code**	X	ID	2/3	Used

Description: Code specifying special transportation handling instructions

Code	Name
IB	In-bond
IP	Import Shipment
XP	Export
EXP	Expedited Rates Applied

Ref	Id	Element Name	Req	Type	Min/Max	Usage
H302	153	**Special Handling Description**	X	AN	2/30	Used

Description: Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate
CSX Note 1: *Only used to show dust suppressant/freeze agents for coal train shipments. When used, the H301 is to be left blank.*

PS Protective Service Instructions

Pos: 5300		**Max: 5**
	Heading - Optional	
Loop: N/A		**Elements: 4**

User Option (Usage): Used
Purpose: To specify mechanical protective service and ventilation instructions

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PS01	746	**Protective Service Rule Code**	M	ID	3/9	Must use

Description: Code specifying the Association of American Railroads (AAR) Protective Service that applies to shipment

CSX Note 1: *225 Icing Code: Stop for Icing 240 Icing Code: Initially Iced By Shipper - Do Not Re-Ice 242 Icing Code: Top Iced By Shipper At Origin (Intrastate Only) 245 Icing Code: Precooled and Pre-iced By Shipper - Do Not Re-ice 509 Heating Code: Modified Carrier's Protective Service (Intrastate Only) 510 Heating Code: Shipper's Protective Service 515 Heating Code: Carrier's Protective Service 580 Heating Code: Special Heater Protective Service 712 Operate Mechanical Unit at Origin to Shipper Specified Temperature (Above 25F) for Shipper Specified Period 805 Van/Container Example: Optimum Temperature 810 Van/Container Example: Ventilators Opened At Origin 830 Van/Container Example: Optimum Temperature of Zero Degrees Or Less*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PS02	241	**Protective Service Code**	M	ID	1/4	Must use

Description: Code specifying perishable protective service- rail carriers only

Code	Name
D	Discontinue Service
M	Standard Mechanical Protective Service
MN	Modified Mechanical Protective Service
HDN	Do Not Heat
HSC	Standard Heating In Canada
MNU	Do Not Operate
HDNC	Do Not Heat in Canada

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PS03	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code	Name
CE	Centigrade, Celsius
FA	Fahrenheit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PS04	408	**Temperature**	X	R	1/4	Used

Description: Temperature
CSX Note 1: *This is the optimum temperature for the shipment.*

Syntax Rules:

1. L030414 - If PS03 is present, then at least one of PS04 or PS14 is required.
2. C0403 - If PS04 is present, then PS03 is required.
3. C1403 - If PS14 is present, then PS03 is required.

Semantics:

1. PS03 qualifies the temperature in PS04 and PS14.
2. PS04 is the optimum allowable temperature condition for shipment.
3. PS11 identifies the location of the heater. A "Y" indicates the heater is ceiling-mounted; an "N" indicates the heater is in the body.
4. PS12 identifies whether or not the commodity is a food product. A "Y" indicates the commodity is a food product; an "N" indicates it is a non-food product.
5. PS13 indicates the amount of doorway space for the full width of the car. A "Y" indicates the doorway space is not less than 30

inches for the full width of the car; an "N" indicates it is less than 30 inches.
   6. PS14 is the set temperature at service origin.

Comments:

   1. PS05 through PS08 are used to specify the station to which the temperature applies. PS05 and PS06 are preferred over PS07 and PS08.
   2. PS09 is the weight of body ice in hundreds.

CSX   Note 1:

This is the optimum temperature for the shipment.

LX   Transaction Set Line Number

Pos: 5400	Max: 1
Heading - Mandatory	
Loop: LX	**Elements: 1**

User Option (Usage): Must use
Purpose: To reference a line number in a transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LX01	554	**Assigned Number**	M	N0	1/9	Must use

> **Description:** Number assigned for differentiation within a transaction set

L5 Description, Marks and Numbers

Pos: 5500 **Max: 15**
Heading - Mandatory
Loop: LX **Elements: 4**

User Option (Usage): Must use
Purpose: To specify the line item in terms of description, quantity, packaging, and marks and numbers

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L501	213	**Lading Line Item Number**	O	N0	1/6	Used

Description: Sequential line number for a lading item
CSX Note 1: *CSX can accept up to 99 occurrences L5/L0 for intermodal shipments..*
CSX Note 2: *Lading Line Number is used to tie all of the L segment occurrences for a specific line item commodity together. For example, single commodity shipment would have a 1 in all occurrences of L segments. Mixed shipments would have separate sequential numbers for each commodity since each commodity could require a different rate.*
CSX Note 3: *Start with 1 and increment by 1 for each new commodity.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L502	79	**Lading Description**	O	AN	1/50	Used

Description: Description of an item as required for rating and billing purposes
CSX Note 1: *Contains the lading description used for application of rates.*
CSX Note 2: *When mixed hazardous, L502 shall contain the corresponding mixed hazardous verbiage.*
CSX Note 3: *For other hazardous materials shipments, use the LH segments.*
CSX Note 4: *Detail description required for all loaded and revenue empty transborder moves. FAK or Freight All Kinds is unacceptable as a description.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L503	22	**Commodity Code**	X	AN	1/7	Used

Description: Code describing a commodity or group of commodities
CSX Note 1: *When describing the lading, both the Lading Description and the Commodity Code are preferred. If the shipment is a load, the L503 is required on the first occurrence of this segment in each commodity group. A commodity group occurs each time the L503 changes. It is not necessary to repeat the Commodity Code on each line of the lading description. The intent is to accurately describe the commodity for movement purposes and proper assessment of freight charges.*
CSX Note 2: *Used only on first L5 for each commodity and is limited to a valid 7- digit numeric STCC or HMRC.*
CSX Note 3: *If the shipment is for hazardous material, this field must contain a 48/49 series HMRC number.*
CSX Note 4: *If a 48/49 series HMRC is passed here, the L502 shall contain either the lading description for rates for the STCC found in L509 or the mixed hazardous verbiage.*
CSX Note 5: *Required on all loaded, revenue and hazardous empty moves. Recommended for all moves.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L504	23	**Commodity Code Qualifier**	X	ID	1/2	Used

Description: Code identifying the commodity coding system used for Commodity Code
CSX Note 1: *Required on all loaded, revenue and hazardous empty moves. Recommended for all moves.*

Code	Name
3	Empty Non-hazardous Last Contained (HMRC) Code
L	Last Contained Contents STCC
T	Standard Transportation Commodity Code (STCC)

Syntax Rules:

1. P0304 - If either L503 or L504 is present, then the other is required.
2. C0706 - If L507 is present, then L506 is required.
3. P0809 - If either L508 or L509 is present, then the other is required.

Comments:

1. L502 may be used to send quantity information as part of the product description.

L0　　Line Item - Quantity and Weight

Pos: 5700	Max: 1
Heading - Optional	
Loop: L0	Elements: 9

User Option (Usage): Used
Purpose: To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L001	213	**Lading Line Item Number**	O	N0	1/6	Used

Description: Sequential line number for a lading item
CSX Note 1: *CSX can only accept 99 occurrences L5/L0.*
CSX Note 2: *Must contain the same lading line number as the L501 for the corresponding commodity.*

L002	220	**Billed/Rated-as Quantity**	X	R	1/11	Used

Description: Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81
CSX Note 1: *Required if rate is based on number of units or pieces.*

L003	221	**Billed/Rated-as Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of quantity or value on which the rate or item pricing is based
CSX Note 1: *Only used if rates are based on units or pieces.*

Code	Name
DM	Miles
GL	Gallon
ND	Cord
NP	Piece
NU	Unit
NV	Vehicle

L004	81	**Weight**	X	R	1/10	Used

Description: Numeric value of weight

L005	187	**Weight Qualifier**	X	ID	1/2	Used

Description: Code specifying the type of weight

Code	Name
E	Estimated Net Weight
G	Gross Weight
N	Actual Net Weight

L006	183	**Volume**	X	R	1/8	Used

Description: Value of volumetric measure

L007	184	**Volume Unit Qualifier**	X	ID	1/1	Used

Description: Code identifying the volume unit

Code	Name
D	Cord
E	Cubic Feet
F	100 Board Feet
G	Gallons
T	Container
U	Volumetric Unit
V	Liter

L008	80	**Lading Quantity**	X	N0	1/7	Used

Description: Number of units (pieces) of the lading commodity

| L009 | 211 | **Packaging Form Code** | X | ID | 3/3 | Used |

Description: Code specifying the packaging form of the lading quantity

CSX Note 1: *Required for transborder shipments and must be the value representing the smallest exterior package type.*

Code	**Name**
BAG	Bag
BAL	Bale
BBL	Barrel
BIN	Bin
BLK	Bulk
CAN	Can
CAR	Carrier
CAS	Case
CNT	Container
COL	Coil
CRT	Crate
CSK	Cask
CTN	Carton
CYL	Cylinder
DRM	Drum
DTB	Double-length Tote Bin
FLO	Flo-bin
FSK	Flask
KEG	Keg
KTB	Knockdown Tote Bin
PCS	Pieces
PLT	Pallet
RCK	Rack
SPI	Spin Cylinders
SPL	Spool
TKT	Tank Truck
TLD	Intermodal Trailer/Container Load (Rail)
TNK	Tank
TUB	Tub
UNT	Unit

Syntax Rules:

1. P0203 - If either L002 or L003 is present, then the other is required.
2. P0405 - If either L004 or L005 is present, then the other is required.
3. P0607 - If either L006 or L007 is present, then the other is required.
4. P0809 - If either L008 or L009 is present, then the other is required.
5. C1104 - If L011 is present, then L004 is required.
6. P1315 - If either L013 or L015 is present, then the other is required.

Semantics:

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.

CSX   Note 1:

Weights transmitted in this segment will only be used to calculate freight charges and will not reflect total weight of the shipment. Actual Shipment Weight will be found in the N7 segment.

CSX Note 2:
Multiple occurrences of the L0-L1 loop may be needed to describe quantities, weights, volumes and multiple rates for one commodity.

CSX Note 3:
If the rate value qualifier (L103) is based upon weight, the L004 and L005 are required. If based upon quantity, then L002 and L003 are required. When based upon volume, then L006 and L007 are required.

CSX Note 4:
Required for transborder movements.

MEA **Measurements**

Pos: 5750	**Max: 3**
Heading - Optional	
Loop: L0	**Elements: 11**

User Option (Usage): Used
Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights

(See Figures Appendix for example of use of C001)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MEA01	737	**Measurement Reference ID Code**	O	ID	2/2	Used

Description: Code identifying the broad category to which a measurement applies
All valid standard codes are used.

MEA02	738	**Measurement Qualifier**	O	ID	1/3	Used

Description: Code identifying a specific product or process characteristic to which a measurement applies
All valid standard codes are used.

MEA03	739	**Measurement Value**	X	R	1/20	Used

Description: The value of the measurement

MEA05	740	**Range Minimum**	X	R	1/20	Used

Description: The value specifying the minimum of the measurement range

MEA06	741	**Range Maximum**	X	R	1/20	Used

Description: The value specifying the maximum of the measurement range

MEA07	935	**Measurement Significance Code**	O	ID	2/2	Used

Description: Code indicating the benchmark of, qualify or further define a measurement value
All valid standard codes are used.

MEA08	936	**Measurement Attribute Code**	X	ID	2/2	Used

Description: Code indicating an attribute response when a numeric measurement value cannot be determined
All valid standard codes are used.

MEA09	752	**Surface/Layer/Position Code**	O	ID	2/2	Used

Description: Code indicating the product surface, layer or position that is being described
All valid standard codes are used.

MEA10	1373	**Measurement Method or Device Code**	O	ID	2/4	Used

Description: Code indicating the method or device used to record the measurement
All valid standard codes are used.

MEA11	1270	**Code List Qualifier Code**	X	ID	1/3	Used

Description: Code identifying a specific industry code list
All valid standard codes are used.

MEA12	1271	**Industry Code**	X	AN	1/30	Used

Description: Code indicating a code from a specific industry code list

Syntax Rules:

1. R03050608 - At least one of MEA03, MEA05, MEA06 or MEA08 is required.
2. E0412 - Only one of MEA04 or MEA12 may be present.
3. L050412 - If MEA05 is present, then at least one of MEA04 or MEA12 is required.
4. L060412 - If MEA06 is present, then at least one of MEA04 or MEA12 is required.
5. L07030506 - If MEA07 is present, then at least one of MEA03, MEA05 or MEA06 is required.
6. E0803 - Only one of MEA08 or MEA03 may be present.

7. P1112 - If either MEA11 or MEA12 is present, then the other is required.

Semantics:

1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.
2. MEA11 is the external code list for the unit of measure.
3. MEA12 defines the unit of measure for MEA03, MEA05, and MEA06 from an external code list.

Comments:

1. When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

PI   Price Authority Identification

Pos: 5900   Max: 1
Heading - Optional
Loop: PI   Elements: 7

User Option (Usage): Used
Purpose: To communicate basis of pricing, such as contract number, quote number, or tariff number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PI01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code identifying the Reference Identification

Code	Name
CT	Contract Number
PR	Price Quote Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PI02	127	**Reference Identification**	M	AN	1/10	Must use

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

CSX Note 1: *The length of this field shall not exceed 10 characters. The decimal point is counted as a character.*

CSX Note 2: *This is the Price Authority Number. This must be a numeric value and may contain a decimal. The number of positions to the right of the decimal must not exceed four.*

CSX Note 3: *If the contract reference is alpha only, pass '9999999999'. The alpha reference will be passed in PI06.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PI03	436	**Primary Publication Authority Code**	O	ID	2/2	Used

Description: Code indicating type of external reference

Code	Name
OP	Other Publication
TP	Tariff Publication

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PI04	930	**Regulatory Agency Code**	O	ID	3/5	Used

Description: Code identifying the regulatory agency governing the price reference

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PI05	168	**Tariff Agency Code**	O	ID	1/4	Used

Description: Code specifying the tariff bureau or tariff publishing agent that governs the rates applied to this shipment
CSX Note 1: *Will be CSXT   for CSX contracts or price quotes.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PI06	965	**Issuing Carrier Identifier**	O	AN	1/10	Used

Description: Identification assigned by issuing carrier
CSX Note 1: *Contract prefix will be AGRT, SPQ, or CSXT.*
.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PI07	660	**Contract Suffix**	O	AN	1/2	Used

Description: Used to identify a type of contract
CSX Note 1: *This is the Price Authority Suffix.*

Semantics:

1. PI07 is the price authority suffix for the contract.
2. PI08 is the price authority item number.
3. PI09 is the price authority supplement.
4. PI10 is the price authority section number.
5. PI11 is the price authority suffix for tariff.
6. PI12 is the effective date.
7. PI13 is the expiration date.

X1   **Export License**

Pos: 6000	Max: 6
Heading - Optional	
Loop: LX	Elements: 17

User Option (Usage): Used
Purpose: To transmit information contained on an export license

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
X101	83	**Code For Licensing, Certification, Registration, or Accreditation Agency**	O	ID	1/2	Used

Description: Code identifying a licensing, certification, registration, or accreditation agency.

Code	Name
E	Office of Export Administration
G	Department of Agriculture - Tobacco, Seeds & Plants
I	Department of the Interior - U.S. Endangered Native Fish and Wildlife and Migratory Birds
J	Department of Justice - Narcotics and Dangerous Drugs
L	U.S. Customs and Border Protection (CBP) - Automated Export System
M	Maritime Administration - Watercraft (Other Than Vessels of War), Vessels Exported for Scrapping, Dismantling, Dismembering, or Destroying the Hulls Thereof (Also Controlled by Office of Export Administration)
N	Nuclear Regulatory Commission - Commodities Subject to the Atomic Energy Act
P	Federal Power Commission - Natural Gas and Electric Energy
S	Department of State - Arms, Ammunition, Implements of War; Vessels of War
T	Department of Treasury - Gold

X102	50	**Export License Number**	O	AN	6/35	Used

Description: Government assigned identification number for exporter

X103	51	**Export License Status Code**	O	ID	1/1	Used

Description: Code specifying whether the shipment completes the terms of the license, or the shipment is only a partial delivery relative to the license terms
CSX Note 1: *Required if X110 is present.*
All valid standard codes are used.

X104	373	**Date**	O	DT	8/8	Used

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

X105	52	**Export License Symbol Code**	O	ID	1/2	Used

Description: Code specifying the export symbol marked on a shipment

Code	Name
1	G-Dest - Shipments of Commodities to Destination Not Requiring a Validated License
2	GLV - Shipments of Limited Value
3	GIT - In-transit Shipments
4	GUS - Shipments to Personnel and Agencies of the U.S. Government
5	GLC - Exports of Commercial Vehicles by Certain Civil Airlines and by Private Common Carrier
6	GTF-US - Goods Imported for Display at U.S. Exhibitions or Trade Fairs
7	GLR - Return or Replacement of Certain Commodities
8	GIFT - Shipment of Gift Parcels
9	GATS - Aircraft on Temporary Sojourn
10	GMS - Shipments Under the Mutual Security Act
11	GTD & GTDR - Technical Data
CN	Automated Export System (AES) Ultimate Destination Canada
DP	Automated Export System (AES) Diplomatic Pouches

	GS	Automated Export System (AES) Shipments to U. S. Agencies
	HH	Automated Export System (AES) Household Shipment
	HR	Automated Export System (AES) Human Remains
	MS	Automated Export System (AES) U. S. Military Supplies
	PP	Automated Export System (AES) Personal Property
	UP	Automated Export System (AES) Shipments between US Possessions except Virgin Islands
	UR	Automated Export System (AES) Unreported Low Value Shipment

X106	48	**Export License Control Code**	O	ID	1/1	Used

Description: Code indicating the type of control applicable to the export license
All valid standard codes are used.

X107	26	**Country Code**	O	ID	2/3	Used

Description: Code identifying the country
CSX Note 1: *US, CA, MX Used to identify the Country Code of the growth, product, or manufacturer of the goods. For U.S. Customs the following codes will be used in lieu of the country code to identify the specific Canadian Provinces: XA ALBERTA XB NEW BRUNSWICK XC BRITISH COLUMBIA XM MANITOBA XN NOVA SCOTIA XO ONTARIO XP PRINCE EDWARD ISLAND XQ QUEBEC XS SASKATCHEWAN XT NORTHWEST TERRITORIES XW NEWFOUNDLAND XY YUKON TERRITORY*

X108	141	**Schedule B Code**	O	ID	7/10	Used

Description: Code identifying commodity number established for international statistical purposes

X109	210	**International/Domestic Code**	O	ID	1/1	Used

Description: Code indicating international or domestic shipment
All valid standard codes are used.

X110	80	**Lading Quantity**	O	N0	1/7	Used

Description: Number of units (pieces) of the lading commodity
CSX Note 1: *Represents a lading quantity that is required by Customs, and is required if different from L008.*
CSX Note 2: *If used, X103 is required.*

X111	148	**Lading Value**	O	R	2/9	Used

Description: Value of shipment for export, expressed in the standard monetary denomination for the currency specified
CSX Note 1: *Required with a default value of $20 per kilo.*

X112	47	**Export Filing Key Code**	O	ID	1/1	Used

Description: Code indicating the type of communications with customs
All valid standard codes are used.

X113	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code	**Name**
KG	Kilogram
LB	Pound

X114	212	**Unit Price**	O	R	1/17	Used

Description: Price per unit of product, service, commodity, etc.

X115	1306	**U.S. Government License Type**	O	AN	1/1	Used

Description: Code to identify the type of government license involved

X116	67	**Identification Code**	O	AN	2/80	Used

Description: Code identifying a party or other code

X117	310	**Location Identifier**	O	AN	1/30	Used

Description: Code which identifies a specific location

Semantics:

1. X104 is the export license expiration date.
2. X116 is the export classification code number (ECCN).
3. X117 is the Schedule D designation for the central location where the Shipper Export Declarations (SEDs) have been batch filed.

CSX   Note 1:
Lading price of unit quantity.

LS   **Loop Header**

<div>
Pos: 6700   Max: 1
Heading - Optional
Loop: LS   Elements: 1
</div>

User Option (Usage): Used
Purpose: To indicate that the next segment begins a loop

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LS01	447	**Loop Identifier Code**	M	AN	1/6	Must use

Description: The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE
CSX Note 1: *Use 800 or LH1.*

Semantics:

1. One loop may be nested (contained) within another loop, provided the inner (nested) loop terminates before the outer loop. When specified by the standard setting body as mandatory, this segment in combination with "LE", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The preferred value for the identifier is the segment ID of the required loop beginning segment.

Comments:

1. See Figures Appendix for an explanation of the use of the LS and LE segments.

LH1   Hazardous Identification Information

Pos: 6800	**Max: 1**
Heading - Optional	
Loop: LH1	**Elements: 8**

User Option (Usage): Used
Purpose: To specify the hazardous commodity identification reference number and quantity

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH101	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code	Name
BA	Bale
BD	Bundle
BE	Beam
BF	Board Feet
BG	Bag
BI	Bar
BO	Bottle
BR	Barrel
BU	Bushel
BV	Bushel, Dry Imperial
BX	Box
CA	Case
CC	Cubic Centimeter
CH	Container
CJ	Cone
CL	Cylinder
CN	Can
CP	Crate
CT	Carton
CU	Cup
CX	Coil
DR	Drum
JR	Jar
JU	Jug
KT	Kit
NT	Trailer
PA	Pail
PC	Piece
PK	Package
PL	Pallet/Unit Load
RL	Roll
SH	Sheet
SJ	Sack
SV	Skid
TB	Tube
TE	Tote
TK	Tank
TY	Tray
UN	Unit
VI	Vial
WH	Wheel

| LH102 | 80 | **Lading Quantity** | M | N0 | 1/7 | Must use |

Description: Number of units (pieces) of the lading commodity
CSX Note 1: *Used to convey the number of packages in LH101*
CSX Note 2: *For unknown quantities, pass '1' with the code 'UN' in LH101. Effective October 1, 2007 US regulations will require and accurate quantity.*

| LH103 | 277 | **UN/NA Identification Code** | M | ID | 6/6 | Must use |

Description: Code identifying the hazardous material identification number as required by Title 49 of the code of Federal Regulations; UN/NA stands for United Nations/North America

| LH105 | 22 | **Commodity Code** | M | AN | 1/30 | Must use |

Description: Code describing a commodity or group of commodities
CSX Note 1: *Must contain a 7-digit numeric Hazardous Materials Response Code (HMRC).*
CSX Note 2: *Should be the HMRC specific to the commodity indicated by the LH103 and not the 49501xx mixed or multiple commodity STCC that belongs in the L5 segment.*

| LH106 | 355 | **Unit or Basis for Measurement Code** | X | ID | 2/2 | Used |

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code	Name
FO	Fluid Ounce
GA	Gallon
GH	Half Gallon
GR	Gram
KG	Kilogram
LB	Pound
LT	Liter
ME	Milligram
OZ	Ounce - Av
QS	Quart, Dry U.S.
QT	Quart

| LH107 | 380 | **Quantity** | X | R | 1/15 | Used |

Description: Numeric value of quantity
CSX Note 1: *The volume or weight.*

| LH109 | 665 | **Residue Indicator Code** | O | ID | 1/1 | Used |

Description: Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded

Code	Name
G	Residue Last Contained Description (Small Means of Containment)
P	Residue Last Contained Description (Packages)

| LH110 | 254 | **Packing Group Code** | O | ID | 1/3 | Used |

Description: Code indicating degree of danger in terms of Roman number I, II or III

Syntax Rules:

1. P0607 - If either LH106 or LH107 is present, then the other is required.

Semantics:

1. LH112 is the packaging form code for the non-bulk container passed in the LH101 as defined in 49 CFR 178 and required by 49 CFR 172.   (See Code Source 937)

Comments:

1. LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.
2. LH106 and LH107 are used to convey the quantity or volume and unit of measure for shipments.
3. In LH109, a value of "R" or "P" requires that the receiver generate the words "residue: last contained" prior to the shipping name

in accordance with regulations.

LH2   Hazardous Classification Information

<table>
<tr><td>Pos: 6900</td><td>Max: 4</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: LH1</td><td>Elements: 11</td></tr>
</table>

User Option (Usage): Used
Purpose: To specify the hazardous notation and endorsement information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH201	215	**Hazardous Classification Code**	M	ID	1/30	Must use

Description: Code specifying the hazardous classification corresponding to the shipping name of the hazardous commodity
CSX Note 1: Mandatory whenever the data is required for US and/or Canadian hazardous shipment requirements
CSX Note 2: The compatibility group must follow the division number for dangerous goods included in Class 1 (i.e. 1.1D where D is the compatibility group).
CSX Note 3: Except for combustible liquids, only pass the numeric hazard class, decimal, division, and compatibility group if applicable. Do not pass the words 'CLASS' or 'HAZARD CLASS'. For Secondary Hazard Classification do not pass parentheses. For combustible liquids, pass 'COMBUSTIBLE LIQUID'.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH202	983	**Hazardous Class Qualifier**	M	ID	1/1	Must use

Description: Code identifying hazardous class
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH205	759	**Reportable Quantity Code**	O	ID	2/2	Used

Description: Code identifying presence of hazardous substance
CSX Note 1: If used, the hazardous material must be further qualified by either 1) at least one Free Form Hazardous Material Information Segment (LFH) with a qualifier of 'HZC' in LFH01 and the hazardous substance enclosed in parentheses in LFH02, or 2) at least one EPA Required Data Segment (LEP) with necessary EPA Waste Stream Code or Waste Stream Characteristic Code.
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH206	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code	Name
CE	Centigrade, Celsius
FA	Fahrenheit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH207	408	**Temperature**	X	R	1/4	Used

Description: Temperature
CSX Note 1: Flashpoint temperature.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH208	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code	Name
CE	Centigrade, Celsius
FA	Fahrenheit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH209	408	**Temperature**	X	R	1/4	Used

Description: Temperature
CSX Note 1: Control Temperature.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH210	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

		Code	**Name**					
		CE	Centigrade, Celsius					
		FA	Fahrenheit					
LH211	408	**Temperature**		X	R	1/4	Used	

Description: Temperature
CSX Note 1: *Emergency Temperature.*

LH212	188	**Weight Unit Code**	X	ID	1/1	Used	

Description: Code specifying the weight unit
All valid standard codes are used.

LH213	267	**Net Explosive Quantity**	X	N0	1/10	Used	

Description: Net weight of the explosive quantity of the hazardous commodity
CSX Note 1: *Used to convey net explosive weight for both US and Canadian shipments.*

Syntax Rules:

1. P0607 - If either LH206 or LH207 is present, then the other is required.
2. P0809 - If either LH208 or LH209 is present, then the other is required.
3. P1011 - If either LH210 or LH211 is present, then the other is required.
4. P1213 - If either LH212 or LH213 is present, then the other is required.

Semantics:

1. LH206 and LH207 indicate the flashpoint temperature.
2. LH208 and LH209 indicate the control temperature.
3. LH210 and LH211 indicate the emergency temperature.
4. LH212 and LH213 indicate the net explosive weight.

CSX   Note 1:

If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory. However, the receiver must consider it to be blanks when printing a paper document.

LH3   Hazardous Material Shipping Name Information

Pos: 7000	**Max: 10**
Heading - Optional	
Loop: LH1	**Elements: 3**

User Option (Usage): Used
Purpose: To specify the hazardous material shipping name and additional descriptive requirements

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH301	224	**Hazardous Material Shipping Name**	X	AN	1/25	Must use

Description: The proper shipping name of the hazardous commodity as specified by Title 49 Code of Federal Regulations, or the shipping name of the dangerous good as defined in the Canadian Transportation of Dangerous Goods Act and Regulations, or the international regulations as promulgated by the United Nations

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH302	984	**Hazardous Material Shipping Name Qualifier**	X	ID	1/1	Must use

Description: Code indicating the source (regulatory) of the proper shipping name
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH303	985	**N.O.S. Indicator Code**	O	ID	3/3	Used

Description: Code indicating the type of regulatory requirements that apply to a description; N.O.S. stands for Not Otherwise Specified
All valid standard codes are used.

Syntax Rules:

1. P0102 - If either LH301 or LH302 is present, then the other is required.

Semantics:

1. If LH304 is "Y", then this is an Association of American Railroads Operations and Transportation Bulletin 55 commodity. If "N", it is not an Association of American Railroads Operations and Transportation Bulletin 55 commodity.

CSX   Note 1:

Information placed in data elements LH301, LFH02, LFH03, LH603, LH604 that exceeds the maximum size of the data element must break on complete word or number boundaries when placing overflow into following iterations of the data element.

LFH   Free-form Hazardous Material Information

Pos: 7100	Max: 20
Heading - Optional	
Loop: LH1	**Elements: 8**

User Option (Usage): Used
Purpose: To uniquely identify the variable information required by government regulation covering the transportation of hazardous material shipments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LFH01	808	**Hazardous Material Shipment Information Qualifier**	M	ID	3/3	Must use

Description: Code indicating the type of information being passed so that a receiver may format a description of hazardous commodity movements that meets regulatory requirements

Code	Name
ADI	Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper
FUM	Fumigation Declaration
HOT	Identifies Products in a Heated Molten State
HZC	Hazardous Substance Constituents
INH	Inhalation Hazard
LQY	"Limited Quantity" Declaration
MPI	Marine Pollutant
PIH	"Poison - Inhalation Hazard" Declaration
RAM	Radioactive Material Data
TEC	Technical or Chemical Group Name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LFH02	809	**Hazardous Material Shipment Information**	M	AN	1/25	Must use

Description: Specific information required by law for hazardous material shipments

CSX Note 1: *Contains Technical or Chemical group name (enclosed in parentheses) if LH303 is equal to 'NOS' and LFH01 is equal to 'TEC' Contains the hazardous substance (enclosed in parentheses) if LH205 is equal to 'RQ' and LFH01 is equal to 'HZC'. LFH Technical Name may be present for modifying proper shipping name when proper shipping name is not 'NOS'. If used to specify that commodity contains oil, pass (OIL) here. If used to identify Sheen on Water, pass 'SHEEN ON WATER' here. If LFH01 is 'D13', 'HOT', 'INH', 'LQY', 'MPI', 'PIH' or 'POI', pass the appropriate notation here. See Dangerous Goods/Hazardous Materials EDI Mapping section for the appropriate text. If used to identify Marine Pollutant, pass the marine pollutant name here, if it is different than the proper shipping name. The Marine Pollutant Name must appear in parentheses ( ). If used to specify FUM, pass additional data required to meet International Maritime Dangerous Goods or Canadian Transportation of Dangerous Goods reporting requirements here including: (1) Disposal instructions of fumigant and (2) Quantity and unit of measure of fumigant. Overflow data should be passed in subsequent iteration of the LFH with LFH01 code of FUM and overflow data passed in the LFH02 and LFH03. See Dangerous Goods/Hazardous Materials EDI Mapping instructions for detailed examples. If used to identify Protective Direction Number, pass 'PROTECTIVE DIRECTION NUMBER' here.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LFH03	809	**Hazardous Material Shipment Information**	O	AN	1/25	Used

Description: Specific information required by law for hazardous material shipments

CSX Note 1: *Used to provide field for overflow data from LFH02. If used to identify Protective Direction Number pass the Protective Direction Number here.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LFH04	1023	**Hazard Zone Code**	O	ID	1/1	Used

Description: Code specifying the Department of Transportation assigned zone designating the Inhalation Toxicity Hazard Zone

CSX Note 1: *Used only when LFH01 equals PIH.*
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LFH05	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
CSX Note 1: *Used only when LFH01 equals RAM.*

Code	Name
1T	Terabecquerel
4N	Megabecquerel
G4	Gigabecquerel
R2	Becquerel

LFH06	380	**Quantity**	X	R	1/15	Used

Description: Numeric value of quantity
CSX Note 1: *Activity of radioactive material. Used only when LFH01 equals RAM.*

LFH07	380	**Quantity**	O	R	1/15	Used

Description: Numeric value of quantity
CSX Note 1: *Transport index of radioactive material. Used only when LFH01 equals RAM. This is a dimensionless value.*

LFH08	373	**Date**	O	DT	8/8	Used

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year
CSX Note 1: *Only used when LFH01 = 'FUM' and is the date fumigation began.*

Syntax Rules:

1. P0506 - If either LFH05 or LFH06 is present, then the other is required.

Semantics:

1. LFH06 indicates activity of the radioactive material.
2. LFH07 indicates transport index of the radioactive material.
3. LFH08 is the date fumigation began.

CSX   Note 1:

Information placed in data elements LH301, LFH02, LFH03, LH603, LH604 that exceeds the maximum size of the data element must break on complete word or number boundaries

CSX Note 2:

For shipments from Canada to the US, if LH205 is present with a value of 'RQ' or LFH01 has a value of 'INH' or 'PIH' then the corresponding text in LFH02 and LFH03 must be reported.

LEP   EPA Required Data

Pos: 7200	Max: 3
Heading - Optional	
Loop: LH1	Elements: 4

User Option (Usage): Used
Purpose: To specify the Environmental Protection Agency (EPA) information relating to shipments of hazardous material

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LEP01	806	**EPA Waste Stream Number Code**	O	ID	4/6	Used

Description: Code specifying the waste stream number applicable to the movement of hazardous waste as determined by government regulations

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LEP02	807	**Waste Characteristics Code**	O	ID	12/16	Used

Description: Code indicating the waste characteristics as defined by regulatory requirements

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LEP03	156	**State or Province Code**	X	ID	2/2	Used

Description: Code specifying the Standard State/Province as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LEP04	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

Syntax Rules:

1. P0304 - If either LEP03 or LEP04 is present, then the other is required.

Semantics:

1. LEP03 is used to identify the state or province responsible for the hazardous waste number contained in LEP04.
2. LEP04 is the hazardous waste number.

LH4

Canadian Dangerous Requirements

Pos: 7300   **Max: 4**
Heading - Optional
Loop: LH1   **Elements: 2**

User Option (Usage): Used
Purpose: To specify additional Transport Canada requirements covering transportation of dangerous goods in Canada

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH401	238	**Emergency Response Plan Number**	X	AN	1/12	Used

Description: The identity number of a specific hazardous emergency response plan that is assigned by the Director General of Canada

CSX Note 1: *Required if the commodity is listed in Schedule 1, Column 7 of the Canadian Transportation of Dangerous Goods regulations. Format to conform to Canadian Transportation of Dangerous Goods requirements, currently valid formats are n-nnnn OR n-nnnnnnn.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH402	364	**Communication Number**	X	AN	1/2048	Used

Description: Complete communications number including country or area code when applicable
CSX Note 1: *Required if LH401 is present.*

Syntax Rules:

1. P0102 - If either LH401 or LH402 is present, then the other is required.
2. P0812 - If either LH408 or LH412 is present, then the other is required.

Semantics:

1. LH411 is an additional telephone number.

Comments:

1. LH402 is used for the emergency response plan telephone number.
2. LH404 is for the first subsidiary classification.
3. LH405 is for the second subsidiary classification.
4. LH406 is for the third subsidiary classification.

LHT

Transborder Hazardous Requirements

Pos: 7400   **Max: 3**
Heading - Optional
Loop: LH1   **Elements: 1**

User Option (Usage): Used
Purpose: To specify the placard information required by the second government agency when shipment is to cross into another country

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LHT01	215	**Hazardous Classification Code**	O	ID	1/30	Used

Description: Code specifying the hazardous classification corresponding to the shipping name of the hazardous commodity

LHR | Hazardous Material Identifying Reference Numbers

Pos: 7500 | **Max: 10**
Heading - Optional
Loop: LH1 | **Elements: 3**

User Option (Usage): Used
Purpose: To transmit specific hazardous material reference numbers

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LHR01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code identifying the Reference Identification
CSX Note 1: *These are the only allowable code values for this segment if used within the loop.*

Code	Name
AH	Agreement Number
HA	Competent Authority
HD	Department of Transportation Hazardous Number
HE	Hazardous Exemption Number
PN	Permit Number
S0	Special Approval
MDN	Hazardous Waste Manifest Document Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LHR02	127	**Reference Identification**	M	AN	1/80	Must use

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
CSX Note 1: *Limited to 1/30 for rail usage.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LHR03	373	**Date**	O	DT	8/8	Used

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year
CSX Note 1: *If used, LHR01 must be 'PN'. Used for Transport Canada Permit expiration date. The receiver is required to display the date transmitted preceded by the phrase 'EXPIRY DATE:'.*

PER Administrative Communications Contact

Pos: 7550	**Max: 5**
Heading - Mandatory	
Loop: LH1	**Elements: 4**

User Option (Usage): Must use
Purpose: To identify a person or office to whom administrative communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER01	366	**Contact Function Code**	M	ID	2/2	Must use

Description: Code identifying the major duty or responsibility of the person or group named

Code	Name
CN	General Contact

> **User Note 1:**
> *Used to identify Canadian Hazardous Material contact(s) on transborder shipments when the HM contact is not valid for both US and Canada.*

HM	Hazardous Material Contact

> **User Note 1:**
> *Used to identify the Primary Hazardous Material Contact and is always valid in the US. If, on transborder shipments, this contact is not applicable for use in Canada or Mexico, then appropriate emergency Hazardous Material Contacts should be provided using the specific codes "CN" or 'MX'. If a country specific contact is not provided, this contact should be valid for use in that country.*

MX	Mexican Hazardous Information Contact

> **User Note 1:**
> *Used to identify Mexican Hazardous Material Contacts on all domestic shipments in Mexico. Used on transborder shipments when the 'HM' contact is not applicable for both US and Mexico. When used the number must be located in Mexico and the person(s) who take the call must speak Spanish and be qualified to give instructions regarding the actions to be followed in the event of an accident.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER02	93	**Name**	M	AN	1/35	Must use

Description: Free-form name
CSX Note 1: *(Limited to 35 for Rail Transactions). Only used if emergency contact is different from the Shipper shown in the N1*SH outside the LH loop. If used must be a valid entity name; do not send filler text (i.e. 'NOT SHOWN', 'NONE SHOWN', or 'UNKNOWN').*
CSX Note 2: *Used to pass emergency contact name or contract number of agency responsible for this shipment.*
CSX Note 3: *In compliance with requirements in 49 CFR part 172.201(D), when the telephone number shown in the PER04 belongs to an emergency response information telephone number service provider the PER02 must contain the entity (offer) identified by name or contract number that has the contractual agreement with the service provider.*
CSX Note 4: *The PER02 must contain a valid entity identified by name of contract reference; do not pass filler text (i.e. 'NOT SHOWN', 'NONE SHOWN', or 'UNKNOWN') or the name of an emergency response information telephone number service provider (examples include but are not limited to Chemtrac, Chemtec, etc.). When identified by contract number a prefix such as 'CONTRACT', 'CONT:', or 'CCN:' must be shown preceding the contract number.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER03	365	**Communication Number Qualifier**	M	ID	2/2	Must use

Description: Code identifying the type of communication number
CSX Note 1: *This is the only allowable code.*

Code	Name
TE	Telephone

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER04	364	**Communication Number**	M	AN	1/80	Must use

Description: Complete communications number including country or area code when applicable
CSX Note 1: *(Limited to 80 for Rail Transactions).*

CSX Note 2: *Telephone number provided must contain area code; or when applicable the international dialing, the international access code or the plus '+' sign and the country and city code as required in addition to the telephone number.*

Syntax Rules:
1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

CSX   Note 1:

When used in this position (inside the LH1 loop), the PER pertains to the individual commodity being described in the loop. Hazardous material contact numbers for the same country cannot be shown both inside and outside the loop.

CSX Note 2:

When used in this position, for shipments moving exclusively in the US, one 24 hour hazardous material contact number is required per commodity and only one number is allowed.

CSX Note 3:

When used in this position, for shipments moving exclusively in Canada, one 24 hour hazardous material contact number is required per commodity; however, more than one may be present.

CSX Note 4:

For shipments moving between the US and Canada, if one number does not apply in both countries, both a US number and Canadian number(s) must be present.

CSX Note 5:

This segment is optional for limited quantity shipments. When used to convey a telephone or facsimile number the alpha representation of the number should not be used (i.e. 1-800-AARHELP). This segment is optional for fumigated shipments of non-hazardous materials. For a fumigated shipment of hazardous materials, the emergency contact is required for the hazardous materials.

N1   Party Identification

Pos: 7560	**Max: 1**
Heading - Optional	
Loop: N1	**Elements: 4**

User Option (Usage): Used
Purpose: To identify a party by type of organization, name, and code

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use

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

CSX Note 1: *The N1 in this position is used only for: (1) conveying country of origin on haulage shipments; (2) conveying complete shipper and consignee information to satisfy Canadian Transportation of Dangerous Goods Act and Regulations requirements on mixed loads; (3) conveying Hazardous Waste Manifest information; (4) conveying the actual shipper and consignee information on non-bulk shipments to satisfy 49CFR 171.12 requirements for import/export shipments moving under IMDG regulations.*

Code	Name
CN	Consignee

> **User Note 1:**
> *Used to convey the actual consignee name and complete address information required by Canadian Transportation of Dangerous Good Act and Regulations or IMDG import/export requirements for mixed loads.*

Code	Name
CT	Country of Origin

> **User Note 1:**
> *Used to convey the country of origin of the rail movement to determine governing hazardous materials regulation. This code should only be used on haulage waybills or associated consists.*
>
> *if used, N103 must equal '38' and appropriate ISO code 3166 for Country of Origin is passed in the N104. The N102 is not used.*

Code	Name
HW	Designated Hazardous Waste Facility

> **User Note 1:**
> *If used, a LHR segment inside theLH1 loop is required having LGR01 = 'MDN'.*

Code	Name
HX	Transporter of Hazardous Waste

> **User Note 1:**
> *If used, a LHR segment inside theLH1 loop is required having LGR01 = 'MDN'.*

Code	Name
HZ	Hazardous Waste Generator

> **User Note 1:**
> *If used, a LHR segment inside theLH1 loop is required having LGR01 = 'MDN'.*

Code	Name
SH	Shipper

> **User Note 1:**
> *Used to convey the actual shipper name and complete address information required by Canadian Transportation of Dangerous Good Act and Regulations or IMDG import/export requirements for mixed loads.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/35	Used

Description: Free-form name
CSX Note 1: *(Limited to 35 for Rail Transactions).*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	Used

Description: Code specifying the system/method of code structure used for Identification Code (67)

Code	Name
38	Country Code

> **User Note 1:**
> *Used only if N101 equals 'CT'.*

Code	Name
AB	US Environmental Protection Agency (EPA) Identification Number

		User Note 1:				
		Used only if N101 equals 'HW', 'HX', or 'HZ'.				
	C5	Customer Identification File				
		User Note 1:				
		Used only if N101 equals 'CN' or 'SH'.				
N104	67	**Identification Code**	X	AN	2/80	Used

Description: Code identifying a party or other code
CSX Note 1: *if N103 equals 'C5' pass CIF number.*
CSX Note 2: *If N103 equals '38' pass ISO Code 3166 for Country of Origin.*
CA - Canada
MX - Mexico
US - United States
CSX Note 3: *If N103 equals 'AB' pass EPA identification Number.*

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.

N3   Party Location

			Pos: 7570	Max: 2
			Heading - Optional	
			Loop: N1	Elements: 2

User Option (Usage): Used
Purpose: To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	Must use

Description: Address information
CSX Note 1: *(limited to 30 characters for Rail transactions).*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N302	166	**Address Information**	O	AN	1/55	Used

Description: Address information
CSX Note 1: *(limited to 30 characters for Rail transactions).*

CSX   Note 1:

Required if N101 equals 'SH' or 'CN'.

N4   Geographic Location

Pos: 7580	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used
Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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 specifying the Standard State/Province as defined by appropriate government agency				
N403	116	**Postal Code**	X	ID	3/15	Used
		Description: Code specifying 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				

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. E0308 - Only one of N403 or N408 may be present.
3. C0605 - If N406 is present, then N405 is required.
4. 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.
2. N403 contains the postal code in an unstructured format.   N408 contains the postal code in a structured format.   When a postal code data field is used, the parties shall agree as to which data element (N403 or N408) shall be used in the transaction set.

CSX   Note 1:

Required if N101 equals 'SH' or 'CN'.

PER   Administrative Communications Contact

Pos: 7590   **Max: 2**
Heading - Optional
Loop: N1   **Elements: 4**

User Option (Usage): Used
Purpose: To identify a person or office to whom administrative communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER01	366	**Contact Function Code**	M	ID	2/2	Must use

Description: Code identifying the major duty or responsibility of the person or group named

Code	Name
RP	Responsible Person

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER02	93	**Name**	O	AN	1/60	Used

Description: Free-form name
CSX Note 1: *Limited to 35 for Rail Transactions)*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER03	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number

Code	Name
TE	Telephone

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER04	364	**Communication Number**	X	AN	1/80	Used

Description: Complete communications number including country or area code when applicable
CSX Note 1: *Limited to 80 for Rail Transactions.*

CSX Note 2: *Telephone number provided must contain area code; or where applicable for international dialing, the international access code or the plus '+' sign and the country and city code as required in addition to the telephone number.*

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

CSX   Note 1:

This PER segment should only be used in loop iterations where N101 equals 'HZ' or 'HW'. The contact is for informational purposes only. Hazardous Materials contacts should be conveyed in the applicable PER segments in the LH1 loop.

CSX Note 2:

When used to convey a telephone number or facsimile number the alpha representation of the number must not be used. (i.e. 1-800-AAR-HELP is not allowed).

CSX Note 3:

When extension or option is required it should immediately follow the telephone number and include the test 'EXT' or 'OPT' (i.e. (5551231212 EXT 22 or 5551231212 OPT 1-2-3).

LE   Loop Trailer

<table>
<tr><td>Pos: 7600</td><td>Max: 1</td></tr>
<tr><td colspan="2" align="center">Heading - Mandatory</td></tr>
<tr><td>Loop: LS</td><td>Elements: 1</td></tr>
</table>

User Option (Usage): Used
Purpose: To indicate that the loop immediately preceding this segment is complete

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LE01	447	**Loop Identifier Code**	M	AN	1/6	Must use

Description: The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE

Semantics:

1. One loop may be nested (contained) within another loop, provided the inner (nested) loop terminates before the outer loop. When specified by the standard setting body as mandatory, this segment, in combination with "LS", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The preferred value for the identifier is the segment ID of the required loop beginning segment.

Comments:

1. See Figures Appendix for an explanation of the use of the LE and LS segments.

PER   Administrative Communications Contact

Pos: 7700	**Max: 5**
Heading - Optional	
Loop: N/A	**Elements: 4**

User Option (Usage): Used
Purpose: To identify a person or office to whom administrative communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER01	366	**Contact Function Code**	M	ID	2/2	Must use

Description: Code identifying the major duty or responsibility of the person or group named

Code	Name
CN	General Contact

User Note 1:
Used to identify Canadian Hazardous Material contact(s) on transborder shipments when the HM contact is not valid for both US and Canada.

HM	Hazardous Material Contact

User Note 1:
Used to identify the Primary Hazardous Material Contact and is always valid in the US. If, on transborder shipments, this contact is not applicable for use in Canada or Mexico, then appropriate emergency Hazardous Material Contacts should be provided using the specific codes "CN" or 'MX'. If a country specific contact is not provided, this contact should be valid for use in that country.

MX	Mexican Hazardous Information Contact

User Note 1:
Used to identify Mexican Hazardous Material Contacts on all domestic shipments in Mexico. Used on transborder shipments when the 'HM' contact is not applicable for both US and Mexico. When used the number must be located in Mexico and the person(s) who take the call must speak Spanish and be qualified to give instructions regarding the actions to be followed in the event of an accident.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER02	93	**Name**	O	AN	1/35	Used

Description: Free-form name
CSX Note 1: *(Limited to 35 for Rail Transactions).*
CSX Note 2: *Used to pass emergency contact name or contract number of agency responsible for this shipment.*

CSX Note 3: *In compliance with requirements in 49 CFR part 172.201(D), when the telephone number shown in the PER04 belongs to an emergency response information telephone number service provider the PER02 must contain the entity (offer) identified by name or contract number that has the contractual agreement with the service provider.*

CSX Note 4: *The PER02 must contain a valid entity identified by name of contract reference; do not pass filler text (i.e. 'NOT SHOWN', 'NONE SHOWN', or 'UNKNOWN') or the name of an emergency response information telephone number service provider (examples include but are not limited to Chemtrac, Chemtec, etc.). When identified by contract number a prefix such as 'CONTRACT', 'CONT:', or 'CCN:' must be shown preceding the contract number.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER03	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number

Code	Name
TE	Telephone

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER04	364	**Communication Number**	X	AN	1/80	Used

Description: Complete communications number including country or area code when applicable
CSX Note 1: *(Limited to 80 for Rail Transactions).*
CSX Note 2: *Telephone number provided must contain area code; or when applicable the international*

> *dialing, the international access code or the plus '+' sign and the country and city code as required in addition to the telephone number.*

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

CSX   Note 1:

When used in this position (outside the LH1 loop), the PER pertains to the entire shipment. Hazardous Material contact numbers for the same country cannot be shown both inside and outside the loop.

CSX Note 2:

When used in this position, for shipments moving exclusively in the US, one 24 hour Hazardous Material contact number is required and only one number is allowed.

CSX Note 3:

When used in this position, for shipments moving exclusively in Canada, one 24 hour Hazardous Material contact number is required; however, more than one may be present.

CSX Note 4:

For shipments moving between the US and Canada, if one number does not apply in both countries, both a US number and Canadian number(s) must be present.

CSX Note 5:

This segment is optional for limited quantity shipments.

User Note 6:

When used to convey a telephone or facsimile number the alpha representation of the number should not be used (i.e. 1-800-AARHELP). T

User Note 7:

his segment is optional for fumigated shipments of non-hazardous materials. For a fumigated shipment of hazardous materials, the emergency contact is required for the hazardous materials.

User Note 8:

For shipments moving in Mexico the Hazardous Material contact number must be physically located in Mexico and the person(s) who take the call must speak Spanish and be qualified to give instructions regarding the actions to be followed in the event of an accident.

User Note 9:

When extension or option is required it should immediately follow the telephone number and include the text 'EXT' or 'OPT' (i.e. 5551231212 EXT 22 or 5551231212 OPT 1-2-3).

LH2 Hazardous Classification Information

Pos: 7800   **Max: 6**
Heading - Optional
Loop: N/A   **Elements: 11**

User Option (Usage): Used
Purpose: To specify the hazardous notation and endorsement information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH201	215	**Hazardous Classification Code**	O	ID	1/30	Used

Description: Code specifying the hazardous classification corresponding to the shipping name of the hazardous commodity

CSX Note 1: *Mandatory whenever the data is required for US and/or Canadian hazardous shipment requirements The compatibility group must follow the division number for dangerous goods included in Class 1 (i.e. 1.1D where D is the compatibility group). Except for combustible liquids, only pass the numeric hazard class, decimal, division, and compatibility group if applicable. Do not pass the words 'CLASS' or 'HAZARD CLASS'. For Secondary Hazard Classification do not pass parentheses. For combustible liquids, pass 'COMBUSTIBLE LIQUID'.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH202	983	**Hazardous Class Qualifier**	O	ID	1/1	Used

Description: Code identifying hazardous class
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH205	759	**Reportable Quantity Code**	O	ID	2/2	Used

Description: Code identifying presence of hazardous substance
All valid standard codes are used.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH206	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code	Name
CE	Centigrade, Celsius
FA	Fahrenheit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH207	408	**Temperature**	X	R	1/4	Used

Description: Temperature
CSX Note 1: *Flashpoint temperature.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH208	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code	Name
CE	Centigrade, Celsius
FA	Fahrenheit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH209	408	**Temperature**	X	R	1/4	Used

Description: Temperature
CSX Note 1: *Control Temperature.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH210	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code	Name
CE	Centigrade, Celsius
FA	Fahrenheit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH211	408	**Temperature**	X	R	1/4	Used

Description: Temperature
CSX Note 1: *Emergency Temperature.*

| LH212 | 188 | **Weight Unit Code** | X | ID | 1/1 | Used |

Description: Code specifying the weight unit
All valid standard codes are used.

| LH213 | 267 | **Net Explosive Quantity** | X | N0 | 1/10 | Used |

Description: Net weight of the explosive quantity of the hazardous commodity
CSX Note 1: *Used to convey net explosive weight for both US and Canadian shipments.*

Syntax Rules:

1. P0607 - If either LH206 or LH207 is present, then the other is required.
2. P0809 - If either LH208 or LH209 is present, then the other is required.
3. P1011 - If either LH210 or LH211 is present, then the other is required.
4. P1213 - If either LH212 or LH213 is present, then the other is required.

Semantics:

1. LH206 and LH207 indicate the flashpoint temperature.
2. LH208 and LH209 indicate the control temperature.
3. LH210 and LH211 indicate the emergency temperature.
4. LH212 and LH213 indicate the net explosive weight.

CSX   Note 1:

If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory. However, the receiver must consider it to be blanks when printing a paper document.

LHR Hazardous Material Identifying Reference Numbers

Pos: 7900   Max: 1
Heading - Optional
Loop: N/A   Elements: 3

User Option (Usage): Used
Purpose: To transmit specific hazardous material reference numbers

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LHR01	128	**Reference Identification Qualifier**	M	ID	2/3	Must use

Description: Code identifying the Reference Identification

Code	Name
AH	Agreement Number
HE	Hazardous Exemption Number
PN	Permit Number

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LHR02	127	**Reference Identification**	M	AN	1/30	Must use

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier
CSX Note 1: *(Limited to 1/30 for rail usage.)*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LHR03	373	**Date**	O	DT	8/8	Used

Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year
CSX Note 1: *If used, LHR01 must be 'PN'. Used for Transport Canada Permit expiration date. The receiver is required to display the date transmitted preceded by the phrase 'EXPIRY DATE:'.*

LH6   Hazardous Certification

Pos: 8000	Max: 5
Heading - Optional	
Loop: N/A	Elements: 1

User Option (Usage): Used
Purpose: To specify the name of the person certifying that the shipment complies with the regulations and/or the actual certification

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH601	93	**Name**	O	AN	1/35	Used

Description: Free-form name
CSX Note 1: *(Limited to 35 for Rail Transactions). Must be the name of the person certifying the shipment. A COMPANY NAME IS NOT ACCEPTABLE.*

Syntax Rules:

1. P0203 - If either LH602 or LH603 is present, then the other is required.

CSX   Note 1:

This segment is only used on the 404 and is mandatory for loaded hazardous shipments.

XH   Pro Forma - B13 Information

Pos: 8100	Max: 1
Heading - Optional	
Loop: N/A	Elements: 7

User Option (Usage): Used
Purpose: To specify a pro forma invoice and B13 Canada Customs Export Declaration information, required by U.S. Customs and Border Protection (CBP) and Canada Customs

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
XH01	100	**Currency Code**	M	ID	3/3	Must use
		Description: Code specifying the Standard ISO code for country in whose currency the charges are specified				
XH02	645	**Related Company Indication Code**	O	ID	1/1	Used
		Description: Code indicating parties to a transaction **All valid standard codes are used.**				
XH03	150	**Special Charge or Allowance Code**	O	ID	3/3	Used
		Description: Code identifying type of special charge or allowance **All valid standard codes are used.**				
XH04	610	**Amount**	O	N2	1/15	Used
		Description: Monetary amount				
XH05	503	**Block 20 Code**	O	ID	1/1	Used
		Description: Code identifying Block 20 characteristics **All valid standard codes are used.**				
XH06	504	**Chemical Analysis Percentage**	O	N2	2/9	Used
		Description: Chemical analysis percentage				
XH07	212	**Unit Price**	O	R	1/17	Used
		Description: Price per unit of product, service, commodity, etc.				

Semantics:

1. XH04 for a line item: is the freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified.
2. XH06 will contain percentage of a component of a product which is required by customs to be reported.
3. XH07 will contain unit price of the item being shipped.

Comments:

1. This segment is to be used for shipments originating in Canada only.

SE   Transaction Set Trailer

| Pos: 8400   Max: 1 |
| **Heading - 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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.

GE   **Functional Group Trailer**

User Option (Usage): Must use
Purpose: To indicate the end of a functional group and to provide control information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE01	97	**Number of Transaction Sets Included**	M	N0	1/6	Must use

Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE02	28	**Group Control Number**	M	N0	1/9	Must use

Description: Assigned number originated and maintained by the sender

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA

Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use
Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA01	I16	**Number of Included Functional Groups**	M	N0	1/5	Must use

Description: A count of the number of functional groups included in an interchange

IEA02	I12	**Interchange Control Number**	M	N0	9/9	Must use

Description: A control number assigned by the interchange sender

Carload EDI Examples

CARLOAD - Local CSXT Move

```
ISA*00*              *00*              *ZZ*SENDER           *02*CSXT
*190523*1107*U*00401*000010200*0*P*!
GS*SR*SENDER*CSXT*20190523*1009*48559*X*004010
ST*404*485590001
BX*00*R*PP**CSXT*L*B
BNX*S**S
M3*R*20190523*1009
N9*BM*9999999
N7*ABCX*8226*233050*N*******RR
F9**CHARLESTON*SC
D9**WINSTON SALEM*NC
N1*SH*SHIPPER
N3*123 MAIN STREET
N4*CHARLESTON*SC*98765*US
N1*CN*CONSIGNEE
N3*987 PARK STREET
N4*WINSTON SALEM*NC*27107*US
N1*PF*FREIGHT PAYER
N3*456 GREEN STREET
N4*WILLARD*OH*44888*US
R2*CSXT*S
LX*1
L5*1*CEMENT, HYDRAULIC*3241115*T
L0*1***233050*N***1*CLD
PI*CT*99999*TP*ICC*CSXT*CSXT
SE*23*485590001
GE*1*48559
IEA*1*000010200
```

CARLOAD - Interline Through Move

```
ISA*00*          *00*          *ZZ*SENDER          *02*CSXT
*190523*1107*U*00401*000010200*0*P*!
GS*SR*SENDER*CSXT*20190523*1107*9460*X*004010
ST*404*094600001
BX*00*R*PP**CSXT*L*B*N
BNX*A**S
M3*R*20190523*1107
N9*BM*999999
DTM*067*20190604*2359
N7*ABCX*887052*115042*N**********RR
F9**ANYTOWN*MD
D9**WILLARD*OH
N1*SH*SHIPPER
N3*123 MAIN STREET
N4*ANYTOWN*MD*21562*US
N1*CN*CONSIGNEE
N3*987 PARK STREET
N4*WILLARD*OH*44888*US
N1*PF*FREIGHT PAYER
N3*456 GREEN STREET
N4*WILLARD*OH*44888*US
R2*CSXT*S*WILRD***R
R2*ASRY*1
LX*1
L5*1*PRINTING PAPER*2621345*T
L0*1***115042*N***24*ROL
PI*CT*99999*TP*ICC*CSXT*CSXT
SE*25*094600001
GE*1*9460
IEA*1*000010200
```

CARLOAD - Interline Rule 11 Move

```
ISA*00*             *00*            *02*SENDER          *02*CSXT
*190523*1044*U*00300*002399383*1*P*!
GS*SR*SENDER*CSXT*20190523*1044*2399383*X*004010
ST*404*00001
BX*00*R*PP*2399383*CSXT*K*B
BNX*S**S
M3*R*20190523*1044
N9*BM*999999
N9*PO*888888
DTM*056*20190523*1044
N7*ABCX*663876*69982*N
F9**BRUNSWICK*GA
D9**VELOX*CA
N1*SH*SHIPPER
N3*123 MAIN STREET
N4*BRUNSWICK*GA*31520*US
N1*CN*CONSIGNEE
N3*987 PARK STREET
N4*ATLANTA*GA*30303*US
N1*PF*FREIGHT PAYER
N3*456 GREEN STREET
N4*JACKSONVILLE*FL*32201*US
N1*C1*CARE OF PARTY
N3*1212 NEW PLANT ROAD
N4*VELOX*WA*99216*US
R2*CSXT*S*CHGO
R2*BNSF*1
LX*1
L5*1*CONIFEROUS BLEACHED PULP*2611135
L0*1***69982*N*69.982*S*138*BAL
SE*28*00001
GE*1*2399383
IEA*1*002399383
```

CARLOAD - Hazmat Move

```
ISA*00*SWBOL        *00*              *ZZ*SENDER            *02*CSXT
*190523*0932*U*00403*000001404*0*P*!
GS*SR*SENDER*CSXT*20190523*0932*1404*X*004030
ST*404*1404001
BX*00*R*PP**CSXT*L*B*N
BNX*S**S
M3*R*20190523*0932
N9*BM*999999
N9*PO*8888888
N7*ABCX*215055*182640*N*******RR
M7*1240351*1240353
F9**JACKSONVILLE*FL*****491200
D9**ROCHESTER*NY*****183300
N1*SH*SHIPPER
N3*123 MAIN STREET
N4*JACKSONVILLE*FL*32221*US
N1*CN*CONSIGNEE
N3*987 PARK STREET
N4*ROCHESTER*NY*14650
N1*PF*FREIGHT PAYER
N3*1212 GREEN STREET
N4*SEATTLE*WA*98124
PER*AD*ACCTS PAYABLE*TE*4259999999
N1*PU*PICKUP PARTY
N3*3796 WARRINGTON ST
N4*JACKSONVILLE*FL*32254
R2*CSXT*S
H3*ER
LX*1
L5*1*PROPYL ALCOHOL (N-PROPYL ALCOHOL OR 1PROPANOL) OR*4909205*T
L5*1*ISOPROPYL ALCOHOL (DIMETHYLCARBINOL, IPA,
L5*1*ISOPROPANOL, SECPROPYL ALCOHOL OR 2-PROPANOL)
L5*1*NOT FIT FOR
L0*1***182640*N***1*CLD
PI*CT*99999*TP**CSXT*CSXT
LS*670
LH1*C4*1***4909205*LB*182640
LH2**P
LFH*TNM*(PROPYL ALCOHOL)
LE*670
PER*HM*CONTRACT 123456*TE*8009999999
LH6*BASIC CHEMICAL SOLUTIONS*1*ON BEHALF OF SHIPPER AVER*S CERTIFICATION SPECIFIED
LH6**1*IN 49.CFR 172.204(A)
SE*41*1404001
GE*1*1404
IEA*1*000001404
```

CARLOAD - Transborder

```
ISA*00*          *00*          *ZZ*SENDER          *ZZ*CSXT
*190522*0252*U*00200*100355857*0*P*!
GS*SR*SENDER*CSXT*20190522*0252*310992*X*005030
ST*404*0001
BX*00*R*PP*2009708250*CSXT*L*B
BNX*S**S
M3*R*20190522*0252*ET
N9*SI*7777777
N9*BM*9999999
DTM*002*20190601
DTM*ZZZ*20190522*0247
N7*ABCX*130581*140156*N***0****RR****05000
M7*337715 337758
F9**ACME*NC
D9**DRUMMONDVILLE*PQ
N1*SH*SHIPPER
N3*123 MAIN STREET
N4*ACME*NC*28456*US
N1*CN*CONSIGNEE
N3*978 PARK STREET
N4*DRUMMONDVILLE*PQ*J2C 6H9*CA
PER*CN**TE*9998887777
N1*FW*FREIGHT FORWARDER
N3*33 ACORN AVENUE
N4*FT ERIE*ON*L2A 5M7*CA
N1*XQ*CANADIAN CUSTOMS BROKER
N3*33 WILLIAMS STREET
N4*FT ERIE*ON*L2A 5M7*CA
PER*CN**TE*9998887777
N1*PF*FREIGHT PAYER
N3*456 GREEN AVENUE
N4*MEMPHIS*TN*38197*US
R2*CSXT*S*HUNT
R2*CN*1
H3*BN
H3*SLC
LX*1
L5*1*WOODPULP*2611135*T
L0*1***140156*N***106*ROL
SE*37*0001
GE*1*310992
IEA*1*100355857
```

Intermodal EDI Examples

INTERMODAL - Local CSXT Move

```
ISA*00*          *00*          *02*SENDER          *02*CSXT
*190523*1308*U*00503*001100430*1*P*!
GS*SR*SENDER*CSXT*20190523*1308*1078455*X*005030
ST*404*0001
BX*00*X*PP*BR549* *L*B
BNX*A**S
M3*R*20190523*1308*CT
N9*BM*999999
N9*P8*BR549878
N7*TESU*565656*40608*N*******CN****5300
M7*994366
F9**BEDFORD PARK*IL
D9**WORCESTER*MA
N1*SH*SHIPPER
N3*123 MAIN STREET
N4*ANYTOWN*NJ*22222*US
N1*CN*CONSIGNEE
N3*123 MAIN STREET
N4*ANYTOWN*NJ*22222*US
N1*PF*FREIGHT PAYER
N3*123 MAIN STREET
N4*ANYTOWN*NJ*22222*US
N1*SF*ACTUAL SHIPPER
N3*29 RAY AVENUE
N4*RACINE*WI*53126*US
N1*UC*UNTIMATE CONSIGNEE
N3*200 DEPOT LA
N4*BOSTON*MA*02019*US
N1*BN*BENEFICIAL OWNER
N3*160 SR 13
N4*ST PAUL*MN*55416*US
N1*N1*NOTIFY PARTY
PER*DC**FX*9998887777
R2*CSXT*S***65
H3*HV
LX*1
L5*1*FROZEN FOOD*2541160*T
L0*1***40608*N***1344*PCS
PI*CT*555555***CSXT*AGRT
X1*******US
SE*38*0001
GE*1*1078455
IEA*1*001100430
```

INTERMODAL - Interline Through Move

```
ISA*00*              *00*              *ZZ*SENDER            *ZZ*CSXINC
*190515*1238*U*00405*427811492*1*P*!
GS*SR*SENDER*CSXT*20190515*1238*51640*X*004050
ST*404*82547
BX*00*X*PP*10255509*CSXT*L*B
BNX*N**S
M3*R*20190515
N9*BM*9999999
N9*BN*33333333
N9*SI*2332323232
DTM*068*20190515
DTM*017*20190525*0000*LT
N7*TESU*886367*19452*N*******CN****5300
F9**CINCINNATI*OH
D9**CITY OF INDUSTRY*CA
N1*SH*SHIPPER
N3*123 MAIN STREET
N4*CHICAGO*IL*60632*US
N1*CN*CONSIGNEE
N3*987 PARK STREET
N4*CHICAGO*IL*60632*US
N1*SF*ACTUAL SHIPPER
N3*800 BLUE RD
N4*SHEPHERDSVILLE*KY*40165*US
N1*UC*ULTIMATE CONSIGNEE
N3*26 SMOKED ALMOND TRAIL
N4*REDLANDS*CA*923742075*US
N1*N1*NOTIFY PARTY
N3*5000 34TH ST
N4*CHICAGO*IL*60632*US
PER*NT**FX*9998887777
N1*BN*BENEFICIAL OWNER
N3*5 OCEAN AVE
N4*MIAMI*FL*33156*US
N1*PF*FREIGHT PAYER
N3*978 GREEN AVENUE
N4*CHICAGO*IL*60632*US
R2*CSXT*S*CHGO**25*X
R2*UP*1
LX*1
L5*1*SALAD BOWL/LID COMBO*4611110*T
L0*1***19452*N***1200*PCS
PI*CT*55555***CSXT*AGRT
SE*40*82547
GE*1*51640
IEA*1*427811492
```

INTERMODAL - Interline Rule 11 Move

```
ISA*00*            *00*            *ZZ*SENDER        *ZZ*CSXINC
*190515*1238*U*00405*427811492*1*P*!
GS*SR*SENDER*CSXT*20190515*1238*51640*X*004050
ST*404*82547
BX*00*X*11*10255509*CSXT*L*B
BNX*N**S
M3*R*20190515
N9*BM*9999999
N9*BN*33333333
N9*SI*2332323232
DTM*068*20190515
DTM*017*20190525*0000*LT
N7*TESU*763688*19452*N*******CN****5300
F9**CINCINNATI*OH
D9**CITY OF INDUSTRY*CA
N1*SH*SHIPPER
N3*123 MAIN STREET
N4*CHICAGO*IL*60632*US
N1*CN*CONSIGNEE
N3*987 PARK STREET
N4*CHICAGO*IL*60632*US
N1*SF*ACTUAL SHIPPER
N3*800 BLUE RD
N4*SHEPHERDSVILLE*KY*40165*US
N1*UC*ULTIMATE CONSIGNEE
N3*26 SMOKED ALMOND TRAIL
N4*REDLANDS*CA*923742075*US
N1*N1*NOTIFY PARTY
N4*CHICAGO*IL*60632*US
PER*NT**FX*9998887777
N1*BN*BENEFICIAL OWNER
N3*5 OCEAN AVE
N4*MIAMI*FL*33156*US
N1*11*FREIGHT PAYER
N3*978 GREEN AVENUE
N4*CHICAGO*IL*60632*US
R2*CSXT*R*CHGO**25*X
R2*UP*1
LX*1
L5*1*SALAD BOWL/LID COMBO*4611110*T
L0*1***19452*N***1200*PCS
PI*CT*55555***CSXT*AGRT
SE*39*82547
GE*1*51640
IEA*1*427811492
```

INTERMODAL - Hazmat

ISA*00*   *00*   *02*SENDER   *02*CSXT
*190513*0612*U*00505*003272758*0*P*!
GS*SR*SENDER*CSXT*20190513*0612*3272758*X*005050
ST*404*156365
BX*00*X*PP*98765487*CSXT**B
M3*R*20190513*0612
N9*BM*9999999
N7*TESZ*180382*40000*N*******TL****5300
F9**BALTIMORE*MD
D9**JACKSONVILLE*FL
N1*SH*SHIPPER
N1*CN*CONSIGNEE
N1*PF*FREIGHT PAYER
N3*987 GREEN STREET
N4*JACKSONVILLE*FL*32202
N1*N1*NOTIFY PARTY
PER*DC**FX*9999999999
R2*CSXT*S***65*X
LX*1
L5*1*FAK-HAZARDOUS MATERIALS*4950130*T
L0*1*******1*CLD
L1*1***12510000
PI*CT*55555***CSXT*AGRT
LS*7000
LH1*BX*1*UN1866**4999999*KG*19***III
LH2*3*P
LH3*RESIN SOLUTION*D
PER*HM*CONT817151*TE*9998887777
LH1*BX*1*UN1956**4999999*KG*1
LH2*2.2*P
LH3*COMPRESSED GAS, N.O.S.*D*NOS
LFH*TEC*(OXYGEN, NITROGEN)
PER*HM*CCN 99999*TE*9998887777
LH1*BX*1*UN1956**4999999*KG*1
LH2*2.2*P
LH3*COMPRESSED GAS, N.O.S.*D*NOS
LFH*TEC*(OXYGEN, NITROGEN)
PER*HM*CCN 99999*TE*9998887777
LH1*BX*1*UN1090**4999999*KG*8***II
LH2*3*P
LH3*ACETONE*D
PER*HM* CHEMICAL COMPANY*TE*9998887777
LE*7000
SE*42*156365
GE*1*3272758
IEA*1*003272758

INTERMODAL - Transborder

ISA*00*   *00*   *02*SENDER   *ZZ*CSXT
*190523*1311*U*00200*000911207*0*P*!
GS*SR*SENDER*CSXT*20190523*1311*851052*X*004010
ST*404*510520001
BX*00*X*PP**CSXT*L*B*N
BNX*N**S
M3*R*20190523*0710
N9*BM*999999
N9*BN*6666666
N9*XC*9381CECAIMP968652975*0034*20190523*0710
N9*ED*NOEEI30.37(E)
CM*918W*L*PORT******VESSEL
CM*918W*D*PORT******VESSEL
N7*TESU*987993*39253*G*8642******CN* ***4000
M12*62*BOND NUMBER***20** *S4*BOND NUMBER
N10*34*CERAMIC LINERS********PCS
F9**ELIZABETH MARINE TE*NJ
D9**VALLEYFIELD*QC
N1*SH*SHIPPER
N3*123 MAIN STREET
N4*ANYTOWN*NC*22222*US
N1*CN*CONSIGNEE
N3*123 MAIN STREET
N4*ANYTOWN*NC*22222*US
N1*SF*ACTUAL SHIPPER
N3*123 FRONT STREET
N4*KEWDALE*WA*65432*US
N1*UC*ULTIMATE CONSIGNEE
N3*741 BAY STEET
N4*OAKSVILLE*ON*L6H 0C3*CA
N1*PF*FREIGHT PAYER
N3*123 MAIN STREET
N4*ANYTOWN*NC*22222*US
N1*BN*BENEFICIAL OWNER
N3*123 EDGEWOOD AVENUE
N4*OAKSVILLE*ON*L6H 0C3*CA
N1*N1*NOTIFY PARTY
PER*DC**TE*9998887777
N1*XQ*CANADIAN CUSTOMS BROKER
N3*321 BROKER LANE
N4*MISSISSAUGA*ONABC 123**CA
R2*CSXT*S***85
H3*IP
H3*IB
LX*1
L5*1*CERAMIC WEAR LINERS *4611110*T
L0*1***39253*G***34*PCS
PI*CT*AGRT55555***CSXT
SE*47*510520001
GE*1*851052
IEA*1*000911207