



# **CSX Intermodal EDI 404 Rail Carrier Shipment Information**

**X12/V5030/404: 404 Rail Carrier Shipment Information**

**Questions about the CSXI EDI 404 Implementation Guide should be directed to:**

**877-SHIPCSX option 2, prompt 2**

**Monday – Friday: 7:00 AM – 6:00 PM**

**Author:**

**CSX Intermodal**

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# 404

## 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.

#### 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			Dependent
0300	BX	General Shipment Information	O	1			Must use
0400	BNX	Rail Shipment Information	O	1			Dependent
0500	M3	Release	M	1			Must use
0600	N9	Extended Reference Information	M	10		N1/0600	Must use
0700	CM	Cargo Manifest	O	2			Used
0900	DTM	Date/Time Reference	O	5			Used
<b>LOOP ID - N7</b>			-	-	<b>200</b>	-	-
1000	N7	Equipment Details	M	1			Must use
1300	M7	Seal Numbers	O	5			Used
1700	M12	In-bond Identifying Information	O	2			Dependent
1900	F9	Origin Station	M	1			Must use
2000	D9	Destination Station	M	1			Must use
<b>LOOP ID - N1</b>			-	-	<b>15</b>	-	-
2100	N1	Party Identification	M	1			Must use
2200	N3	Party Location	O	2			Dependent
2300	N4	Geographic Location	O	1			Dependent
2400	PER	Administrative Communications Contact	O	2			Dependent
4600	R2	Route Information	M	6			Must use
5200	H3	Special Handling Instructions	O	20			Used
5300	PS	Protective Service Instructions	O	5			Dependent
<b>LOOP ID - LX</b>			-	-	<b>20</b>	-	-
5400	LX	Transaction Set Line Number	M	1			Must use
5500	L5	Description, Marks and Numbers	M	15			Must use
<b>LOOP ID - L0</b>			-	-	<b>20</b>	-	-
5700	L0	Line Item - Quantity and Weight	O	1			Used
<b>LOOP ID - PI</b>			-	-	<b>6</b>	-	-
5900	PI	Price Authority Identification	O	1			Must use
6000	X1	Export License	O	6			Used
<b>LOOP ID - LS</b>			-	-	<b>1</b>	-	-
6700	LS	Loop Header	O	1			Must use
<b>LOOP ID - LH1</b>			-	-	<b>99</b>	-	-

6800	LH1	Hazardous Identification Information	O	1	Must use		
6900	LH2	Hazardous Classification Information	O	2	Must use		
7000	LH3	Hazardous Material Shipping Name Information	O	10	Must use		
7100	LFH	Free-form Hazardous Material Information	O	20	Dependent		
7300	LH4	Canadian Dangerous Requirements	O	4	Dependent		
7400	LHT	Transborder Hazardous Requirements	O	3	Dependent		
7500	LHR	Hazardous Material Identifying Reference Numbers	O	5	Dependent		
7550	PER	Administrative Communications Contact	O	5	Dependent		
<b>LOOP ID - N1</b>			-	-	<b>10</b>	-	-
7560	N1	Party Identification	O	1	Dependent		
7570	N3	Party Location	O	2	Dependent		
7580	N4	Geographic Location	O	1	Dependent		
7590	PER	Administrative Communications Contact	O	2	Dependent		
7600	LE	Loop Trailer	M	1	Must use		
7700	PER	Administrative Communications Contact	O	5	Dependent		
7800	LH2	Hazardous Classification Information	O	2	Dependent		
7900	LHR	Hazardous Material Identifying Reference Numbers	O	1	Dependent		
8000	LH6	Hazardous Certification	O	5	Must use		
8400	SE	Transaction Set Trailer	M	1	Must use		

**Notes:**

1/0600

# 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use
<b>Description:</b> Code uniquely identifying a Transaction Set.						
		<u>Code</u>		<u>Name</u>		
		404		Rail Carrier Shipment Information		
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set.						

## 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: 7

**User Option (Usage):** Dependent

**Purpose:** To transmit identifying numbers, dates, and other basic data relating to the transaction set.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ZC102	206	Equipment Initial	O	AN	2/4	Must use
<b>Description:</b> Prefix or alphabetic part of an equipment unit's identifying number. <b>CSX Note 1:</b> <i>Must be identical to the previous shipping instructions.</i> <b>CSX Note 2:</b> <i>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.</i>						
ZC103	207	Equipment Number	M	AN	1/6	Must use
<b>Description:</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred). <b>CSX Note 1:</b> <i>Must be identical to the previous shipping instructions.</i> <b>CSX Note 2:</b> <i>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.</i>						
ZC104	244	Transaction Reference Number	M	AN	1/15	Must use
<b>Description:</b> Sender's assigned number for referenced transaction set. <b>CSX Note 1:</b> <i>Bill of Lading/Shipment number as previously transmitted in the N9 segment with code value of BM.</i>  <i>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.</i>						
ZC105	243	Transaction Reference Date	M	DT	8/8	Must use
<b>Description:</b> Date of referenced transaction set expressed in format CCYYMMDD where CC represents the first two digits of the calendar year. <b>CSX Note 1:</b> <i>ZC105 (transaction reference date) contains the bill of lading/shipment date from the previous transmission of the 404 covering this shipment.</i>  <i>Original date of Bill of Lading/Shipment Number previously transmitted in N9 segment with code value of BM.</i>						
ZC106	202	Correction Indicator	M	ID	2/2	Must use
<b>Description:</b> Code used to indicate that the transaction set contains information which corrects previous information. <b>CSX Note 1:</b> <i>ZC106 (correction indicator) contains the correction indicator 'CO' - CORRECTION.</i>						
		<u>Code</u>	<u>Name</u>			
		CO	Correction			
ZC107	140	Standard Carrier Alpha Code	M	ID	2/4	Must use
<b>Description:</b> Standard Carrier Alpha Code. <b>CSX Note 1:</b> <i>ZC107 (SCAC) contains the road initials of the origin</i>						

**roadhaul carrier to which this correction is being transmitted to.**

**Should be CSXT or CSXI.**

ZC108 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**

X

Intermodal (Piggyback)

### Comments:

1. For any rail shipment, ZC102 is required.

### CSX Note 1:

*Required segment in order to submit a 404 correction.*

### CSX Note 2:

*Can not correct origin, equipment initial, equipment number, or N9\*BM bill of lading number with a 404 containing a ZC1. To correct these items a void and re-bill must occur.*

# BX General Shipment Information

Pos: 0300	Max: 1
Heading - Optional	
Loop: N/A	Elements: 6

**User Option (Usage):** Must use

**Purpose:** To transmit identification numbers and other basic shipment data

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BX01	353	Transaction Set Purpose Code	M	ID	2/2	Must use
		<b>Description:</b> Code identifying purpose of transaction set.				
		<u>Code</u>		<u>Name</u>		
		00		Original		
		04		Change		
BX02	91	Transportation Method/Type Code	M	ID	1/2	Must use
		<b>Description:</b> Code specifying the method or type of transportation for the shipment.				
		<u>Code</u>		<u>Name</u>		
		X		Intermodal (Piggyback)		
BX03	146	Shipment Method of Payment	M	ID	2/2	Must use
		<b>Description:</b> Code identifying payment terms for transportation charges.				
		<u>Code</u>		<u>Name</u>		
		11		Rule 11 Shipment		
		CC		Collect		
		PP		Prepaid (by Seller)		
BX05	140	Standard Carrier Alpha Code	O	ID	2/4	Must use
		<b>Description:</b> Standard Carrier Alpha Code.				
		<b>CSX Note 1: BX05 contains the Standard Carrier Alpha Code (SCAC) of the original roadhaul carrier receiving the shipment.</b>				
		<b>Should be CSXT or CSXI.</b>				
BX06	188	Weight Unit Code	O	ID	1/1	Must use
		<b>Description:</b> Code specifying the weight unit.				
		<b>CSX Note 1: Can only use 'K' Kilograms if the BNX01 is 'A' or 'S'.</b>				
		<u>Code</u>		<u>Name</u>		
		K		Kilograms		
		L		Pounds		
BX07	147	Shipment Qualifier	O	ID	1/1	Must use
		<b>Description:</b> Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time.				
		<u>Code</u>		<u>Name</u>		
		B		Bill of Lading for Individual Shipment		
		W		Revenue Empty		



# BNX Rail Shipment Information

Pos: 0400	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Dependent

**Purpose:** To transmit rail-specific shipment data.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BNX01	460	<b>Shipment Weight Code</b>	O	ID	1/1	Must use
<b>Description:</b> Code indicating the way by which weights are obtained for a particular shipment.						
		<u>Code</u>	<u>Name</u>			
		A	Shipper's Weight Agreement			
		N	No Wt. Req., Ship. Moving on Contract or per car rate			
		S	Shipper Certified Scale Weights			
BNX03	11	<b>Billing Code</b>	O	ID	1/1	Must use
<b>Description:</b> Code indicating type of Bill.						
		<u>Code</u>	<u>Name</u>			
		S	Single Shipment 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
M301	132	Release Code	M	ID	1/1	Must use
<b>Description:</b> 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).						
		<u>Code</u>	<u>Name</u>			
		R	Released with Billing Data			
M302	373	Date	X	DT	8/8	Must use
<b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year.						
<b>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.</b>						
M303	337	Time	X	TM	4/8	Must use
<b>Description:</b> 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).						
<b>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.</b>						
M304	623	Time Code	O	ID	2/2	Used
<b>Description:</b> Code identifying the time.						
		<u>Code</u>	<u>Name</u>			
		CT	Central Time			
		ET	Eastern Time			
		LT	Local Time			
		MT	Mountain Time			
		PT	Pacific Time			

## Syntax Rules:

1. C0403 - If M304 is present, then M303 is required.

## Semantics:

1. If M301 contains code value "R", then M302 is the date of release.
2. M304 reflects the time zone which the time reflects.

# N9 Extended Reference Information

Pos: 0600	Max: 10
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 qualifying the Reference Identification.

Code	Name
09	Customs Bar Code Number
2K	Food and Drug Administration (FDA) Product Type
BC	Buyer's Contract Number
BL	Government Bill of Lading
BM	Bill of Lading Number
BN	Booking Number
CG	Consignee's Order Number
CN	Carrier's Reference Number (PRO/Invoice)
CO	Customer Order Number
CR	Customer Reference Number
DH	Drug Enforcement Administration Number
EB	Embargo Permit Number
ED	Export Declaration
EN	Embargo Number
HS	Harmonized Code System (Canada)
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
PO	Purchase Order 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
VA	Vessel Agent Number
WU	Vessel
SNP	US Customs & Border Protection Second Notify Party

N902	127	Reference Identification	X	AN	1/15	Must use
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**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	Must use
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**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 date and time will be rejected. Future date and time will cause the bill of lading to be held and not release for processing until that time.*

N905	337	<b>Time</b>	X	TM	4/8	Must use
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**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:** *The preparation time of the document if N901 contains the code BM.*

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

N906	623	<b>Time Code</b>	O	ID	2/2	Used
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**Description:** Code identifying the time.

<u>Code</u>	<u>Name</u>
CT	Central Time
ET	Eastern Time
LT	Local Time
MT	Mountain Time
PT	Pacific Time

## Syntax Rules:

1. C0605 - If N906 is present, then N905 is required.

## Semantics:

1. N906 reflects the time zone which the time reflects.

### 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.*

# 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CM01	55	<b>Flight/Voyage Number</b>	O	AN	2/10	Used
		<b>Description:</b> Identifying designator for the particular flight or voyage on which the cargo travels.				
CM02	115	<b>Port or Terminal Function Code</b>	X	ID	1/1	Used
		<b>Description:</b> Code defining function performed at the port or terminal with respect to a shipment.				
		<u>Code</u>		<u>Name</u>		
		1		Final Port of Discharge (Operational)		
		D		Port of Discharge (Operational)		
		L		Port of Loading (Operational)		
CM03	114	<b>Port Name</b>	O	AN	2/24	Used
		<b>Description:</b> Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property.				
CM04	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year.				
		<b>CSX Note 1: If CM02 is "D" or "1", this contains the ship dock date.</b>				
		<b>If CM02 is "L", this contains the ship sail date.</b>				
CM05	13	<b>Booking Number</b>	O	AN	1/17	Used
		<b>Description:</b> Number assigned by the carrier for space reservation.				
CM06	140	<b>Standard Carrier Alpha Code</b>	O	ID	2/4	Used
		<b>Description:</b> Standard Carrier Alpha Code.				
		<b>CSX Note 1: Represents the current carrier.</b>				
CM07	140	<b>Standard Carrier Alpha Code</b>	O	ID	2/4	Used
		<b>Description:</b> Standard Carrier Alpha Code.				
		<b>CSX Note 1: Represents the previous carrier.</b>				
CM08	373	<b>Date</b>	O	DT	8/8	Used
		<b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year.				
		<b>CSX Note 1: Represents the manifest date.</b>				
CM09	182	<b>Vessel Name</b>	O	AN	2/28	Used
		<b>Description:</b> Name of ship as documented in "Lloyd's Register of Ships".				
CM10	113	<b>Pier Number</b>	O	AN	1/4	Used
		<b>Description:</b> Identifying number for the pier.				
CM11	112	<b>Pier Name</b>	O	AN	2/14	Used
		<b>Description:</b> Free-form name of the pier.				
CM12	174	<b>Terminal Name</b>	O	AN	2/30	Used

		<b>Description:</b> Free-form field for terminal name.				
CM13	156	<b>State or Province Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency.				
CM14	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country.				
CM15	127	<b>Reference Identification</b>	O	AN	1/80	Used
		<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier.				
		<b>CSX Note 1: <i>Vessel Agent Number.</i></b>				

**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:

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

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

<u>Code</u>	<u>Name</u>
002	Delivery Requested
017	Estimated Delivery
037	Ship Not Before
038	Ship No Later
067	Current Schedule Delivery
068	Current Schedule Ship
069	Promised for Delivery
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
ICF	Converted to Electronic Date

DTM02	373	Date	X	DT	8/8	Must use
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**Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year.

DTM03	337	Time	X	TM	4/8	Must use
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**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
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**Description:** Code identifying the time.

<u>Code</u>	<u>Name</u>
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.

# Loop N7

Pos: 1000	Repeat: 200
Mandatory	
Loop: N7	Elements: N/A

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

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
1000	N7	Equipment Details	M	1		Must use
1300	M7	Seal Numbers	O	5		Used
1700	M12	In-bond Identifying Information	O	2		Dependent



# N7 Equipment Details

Pos: 1000	Max: 1
Heading - Mandatory	
Loop: N7	Elements: 13

**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	Must use

**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 Vans or Chassis without an initial will be "NONZ", Containers without initial will be "NONU" and Generator Sets without initials will be "NONG".*

N702	207	Equipment Number	M	AN	1/6	Must use
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**Description:** Sequencing or serial part of an equipment unit's identifying number.

**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:** *The check digit should not be included in data element 207.*

N703	81	Weight	X	R	1/6	Must use
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**Description:** Numeric value of weight.

**CSX Note 1:** *The numeric value of the weight of the shipment.*

N704	187	Weight Qualifier	X	ID	1/2	Must use
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**Description:** Code defining the type of weight.

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

N705	167	Tare Weight	X	N0	3/6	Used
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**Description:** Weight of the equipment.

N706	232	Weight Allowance	O	N0	2/6	Used
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**Description:** Allowance made for increased weight due to such factors as snow.

N707	205	Dunnage	O	N0	1/6	Used
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**Description:** Weight of material used to protect lading (even bracings, false floors, etc.).

**CSX Note 1:** *Dunnage weight only.*

N710	102	Ownership Code	O	ID	1/1	Used
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**Description:** Code indicating the relationship of equipment to carrier or ownership of equipment.

Code	Name
T	Trip Leased

N711	40	Equipment Description Code	O	ID	2/2	Must use
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**Description:** Code identifying type of equipment used for shipment

Code	Name
CC	Container resting on a Chassis
CH	Chassis

		CM	Container, Open-Sided				
		CN	Container				
		CX	Container, Tank				
		CZ	Refrigerated Container				
		GS	Generator Set				
		RT	Controlled Temperature Trailer (Reefer)				
		TL	Trailer (not otherwise specified)				
N712	140	<b>Standard Carrier Alpha Code</b>		O	ID	2/4	Used
		<b>Description:</b> Standard Carrier Alpha Code.					
N715	567	<b>Equipment Length</b>		O	N0	4/5	Must use
		<b>Description:</b> Format is FFII (F=Feet I=Inch).					
		<b>CSX Note 1: <i>Outside length required for intermodal equipment.</i></b>					
N716	571	<b>Tare Qualifier Code</b>		X	ID	1/1	Used
		<b>Description:</b> Code identifying the type of tare.					
		<b>All valid standard codes are used.</b>					
N718	761	<b>Equipment Number Check Digit</b>		O	N0	1/1	Used
		<b>Description:</b> Number which designates the check digit applied to a piece of equipment.					

**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.

**Semantics:**

1. N712 is the owner of the equipment.

**Comments:**

1. N701 is mandatory for rail transactions.

**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.*

**M7****Seal Numbers**

<b>Pos: 1300</b>	<b>Max: 5</b>
<b>Heading - Optional</b>	
<b>Loop: N7</b>	<b>Elements: 4</b>

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

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

**Comments:**

1.

# M12 In-bond Identifying Information

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

**User Option (Usage):** Dependent

**Purpose:** To transmit in-bond information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
M1201	581	Customs Entry Type Code	M	ID	2/2	Must use
<b>Description:</b> Code defining the type of entry assigned by U.S. Customs <b>CSX Note 1: 61 Immediate Transportation</b> <i>(Imported to US)</i> <b>62 Transportation Exportation</b> <i>(Imported and final destination is outside the US)</i> <b>63 Immediate Exportation</b> <i>(Imported to US, Export from the US, with no in-transit movement)</i> <b>69 Transit</b> <i>(This signifies US-CANADA-US movements)</i> <b>70 Multi-Transit</b> <i>( This signifies traffic with multiple US border crossings with the shipment terminating in the US)</i> <b>A2 Rail In-bond - No Carrier Remanifest</b> <i>(If used, M1208 must equal 'XC')</i> <b>A6 Ocean In-bond - No Carrier Remanifest</b> <i>(If used, M1208 must equal 'XC')</i> <b>A8 Truck In-bond - Carrier Remanifest</b> <i>(If used, M1208 must equal 'XC')</i> <b>DP Duty Paid - Cleared Customs</b> <i>(If used, M1208 must equal 'XC')</i>						
M1202	601	Customs Entry Number	X	AN	1/15	Dependent
<b>Description:</b> Automated Commercial System Code Furnished by U.S. Customs Service. <b>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.</b>						
M1203	310	Location Identifier	O	AN	1/30	Used
<b>Description:</b> Code which identifies a specific location. <b>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'.</b>						
M1204	310	Location Identifier	O	AN	1/30	Used
<b>Description:</b> Code which identifies a specific location. <b>CSX Note 1: This is the foreign port of destination if M1201 is '62' or '63'.</b>						
M1205	602	Customs Shipment Value	O	AN	2/8	Must use
<b>Description:</b> Customs value in whole dollars. <b>CSX Note 1: Represents the total of all X111's plus XH04 for shipments intended to move In-Bond into the US.</b> <b>CSX Note 2: Required for US bonds.</b>						
M1206	603	In-bond Control Number	X	AN	1/25	Dependent
<b>Description:</b> Currently assigned control number for in-bond movement.						

M1208	128	<b>Reference Identification Qualifier</b>	X	ID	2/3	Must use
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**Description:** Code qualifying the Reference Identification.

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

M1209	127	<b>Reference Identification</b>	X	AN	1/80	Must use
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**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).*

M1210	91	<b>Transportation Method/Type Code</b>	X	ID	1/2	Used
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**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.*

<u>Code</u>	<u>Name</u>
S	Ocean

M1211	182	<b>Vessel Name</b>	X	AN	2/28	Used
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**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.

### Comments:

1. If M1202 does not contain the paperless entry number, then M1206 is required.
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.*

# 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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.*

F903	156	State or Province Code	M	ID	2/2	Must use
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**Description:** Code (Standard State/Province) as defined by appropriate government agency.

## Semantics:

1. F902 is the origin station for movement.

# 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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.*

D903	156	State or Province Code	M	ID	2/2	Must use
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**Description:** Code (Standard State/Province) as defined by appropriate government agency.

## Semantics:

1. D902 is the destination station of movement.

# Loop N1

Pos: 2100	Repeat: 15
Mandatory	
Loop: N1	Elements: N/A

**User Option (Usage):** Must use

**Purpose:** To identify a party by type of organization, name, and code

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
2100	N1	Party Identification	M	1		Must use
2200	N3	Party Location	O	2		Dependent
2300	N4	Geographic Location	O	1		Dependent
2400	PER	Administrative Communications Contact	O	2		Dependent

### 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.*



# 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.

**CSX Note 1:** *SH, CN, N1, and FP or 11 are required.*

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 no. 1
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

N102	93	Name	X	AN	1/30	Must use
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**Description:** Free-form name (Limited to 35 for Rail Transactions).

N103	66	Identification Code Qualifier	X	ID	1/2	Used
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**Description:** Code designating 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 Customs
BF	Broker Filer ID
BN	Canada Customs & Revenue Agency (CCRA) Business Number
C5	Customer Identification File
FI	Federal Taxpayer's Identification Number
M5	Jurisdiction Code

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

**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 - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Dependent

**Purpose:** To specify the location of the named party

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information	M	AN	1/30	Must use
<b>Description:</b> Address information (limited to 30 characters for Rail transactions).						
N302	166	Address Information	O	AN	1/30	Used
<b>Description:</b> 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 = '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 - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Dependent

**Purpose:** To specify the geographic place of the named party.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	O	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.*

N402	156	State or Province Code	X	ID	2/2	Must use
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**Description:** Code (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.*

N403	116	Postal Code	O	ID	3/9	Used
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**Description:** Code defining international postal zone code excluding punctuation and blanks (zip code for United States).

N404	26	Country Code	X	ID	2/3	Used
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**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*

### CSX Note 1:

*Required if N101 = '11' or 'PF'.*

### CSX Note 2:

*Required if N101 '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):** Dependent

**Purpose:** To identify a person or office to whom administrative communications should be directed.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	Contact Function Code	M	ID	2/2	Must use
<b>Description:</b> Code identifying the major duty or responsibility of the person or group named.						
		<u>Code</u>	<u>Name</u>			
		DC	Delivery Contact			
		IC	Information Contact			
		NT	Notification Contact			
PER02	93	Name	O	AN	1/35	Used
<b>Description:</b> Free-form name (Limited to 35 for Rail Transactions).						
PER03	365	Communication Number Qualifier	X	ID	2/2	Must use
<b>Description:</b> Code identifying the type of communication number.						
<b>CSX Note 1:</b> <i>Should always be FX when paired with N101 of N1.</i>						
		<u>Code</u>	<u>Name</u>			
		EM	Electronic Mail			
		FX	Facsimile			
		TE	Telephone			
PER04	364	Communication Number	X	AN	1/20	Must use
<b>Description:</b> Complete communications number including country or area code when applicable.						
<b>CSX Note 1:</b> <i>N1*N1 must be paired with a fax number in the PER and is limited to 10 characters.</i>						
<b>CSX Note 2:</b> <i>N1*MC with a PER qualifier of EM can be a maximum of 25 bytes.</i>						

## Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.

## CSX Note 1:

*PER required on N101 of N1.*

# R2 Route Information

Pos: 4600	Max: 6
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:** Standard Carrier Alpha Code.

R202	133	Routing Sequence Code	M	ID	1/2	Must use
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**Description:** Code describing the relationship of a carrier to a specific shipment movement.

**CSX Note 1:** *R202 values should be transmitted in the order that 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)
R	Origin Carrier, Rule 11 Shipment
S	Origin Carrier, Shipper's Routing (Rail)

R203	19	City Name	O	AN	2/5	Dependent
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**Description:** Free-form text for city name.

**CSX Note 1:** *Contains Rule 260 Abbreviation only.*

R205	177	Intermodal Service Code	O	ID	1/2	Must use
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**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*

## Semantics:

1. R203 is the station or city name at which carriers interchange shipments.

## 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.*

# H3 Special Handling Instructions

Pos: 5200	Max: 20
Heading - Optional	
Loop: N/A	Elements: 1

**User Option (Usage):** Used

**Purpose:** To specify special handling instructions in coded or free-form format

## Element Summary:

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

**Description:** Code specifying special transportation handling instructions.

<u>Code</u>	<u>Name</u>
IB	In-bond
IP	Import Shipment
XP	Export
EXP	Expedited Rates Applied



# PS Protective Service Instructions

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

**User Option (Usage):** Dependent

**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:** 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 Preiced By Shipper - Do Not Reice**

**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**

PS02	241	Protective Service Code	M	ID	1/4	Must use
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**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

PS03	355	Unit or Basis for Measurement Code	X	ID	2/2	Must use
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**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

PS04	408	Temperature	X	R	1/4	Must use
------	-----	-------------	---	---	-----	----------

**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.

**Semantics:**

1. PS03 qualifies the temperature in PS04.
2. PS04 is the optimum allowable temperature condition for shipment.

**Comments:**

- 1.

**CSX Note 1:**

*Due to operational concerns a PS segment must accompany any N7 equipment requiring protective service.*

**CSX Note 2:**

*CSXI does not monitor protective services, but will pass the information on the waybill.*

# Loop LX

Pos: 5400	Repeat: 20
Mandatory	
Loop: LX	Elements: N/A

**User Option (Usage):** Must use

**Purpose:** To reference a line number in a transaction set.

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
5400	LX	Transaction Set Line Number	M	1		Must use
5500	L5	Description, Marks and Numbers	M	15		Must use
5700		Loop L0	O		20	Used
6000	X1	Export License	O	6		Used

# 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LX01	554	Assigned Number	M	N0	1/6	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:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L501	213	Lading Line Item Number	O	NO	1/3	Must use

**Description:** Sequential line number for a lading item.**CSX Note 1:** CSX can only accept 20 occurrences L5/L0.**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.

L502	79	Lading Description	O	AN	1/50	Must use
------	----	--------------------	---	----	------	----------

**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.

L503	22	Commodity Code	X	AN	1/7	Must use
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**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.

L504	23	Commodity Code Qualifier	X	ID	1/1	Must use
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**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.

**Comments:**

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

# Loop L0

Pos: 5700	Repeat: 20
	Optional
Loop: L0	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
5700	L0	Line Item - Quantity and Weight	O	1		Used
5900		Loop PI	O		6	Must use

### CSX Note 1:

*This segment is not intended to account for the description of hazardous materials, but does identify the presence of hazardous materials.*

### CSX Note 2:

*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.*

**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	1/3	Must use

**Description:** Sequential line number for a lading item.**CSX Note 1:** CSX can only accept 20 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
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**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
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**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	1/6	Used
------	----	--------	---	---	-----	------

**Description:** Numeric value of weight.

L005	187	Weight Qualifier	X	ID	1/2	Used
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**Description:** Code defining 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
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**Description:** Value of volumetric measure.

L007	184	Volume Unit Qualifier	X	ID	1/1	Used
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**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	<b>Lading Quantity</b>		X	N0	1/7	Used

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

**CSX Note 1:** *Required for transborder movements.*

L009	211	<b>Packaging Form Code</b>		X	ID	3/3	Used
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**Description:** Code for packaging form of the lading quantity.

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

<u>Code</u>	<u>Name</u>
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.

### Semantics:

1. L008 is the number of handling units of the line item tendered to the carrier.

### 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.*

# Loop PI

Pos: 5900	Repeat: 6
Optional	
Loop: PI	Elements: N/A

**User Option (Usage):** Must use

**Purpose:** To communicate basis of pricing, such as contract number, quote number, or tariff number.

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
5900	PI	Price Authority Identification	O	1		Must use

# PI Price Authority Identification

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

**User Option (Usage):** Must use

**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 qualifying the Reference Identification.

Code	Name
CT	Contract Number
PR	Price Quote Number

PI02	127	Reference Identification	M	AN	1/10	Must use
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**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.*

PI03	436	Primary Publication Authority Code	O	ID	2/2	Used
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**Description:** Code indicating type of external reference.

**CSX Note 1:** *The default value is 'TP'.*

Code	Name
OP	Other Publication
TP	Tariff Publication

PI04	930	Regulatory Agency Code	O	ID	3/5	Used
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**Description:** Code relating to the regulatory agency governing the price reference.

PI05	168	Tariff Agency Code	O	ID	1/4	Must use
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**Description:** Code defining the tariff bureau or tariff publishing agent that governs the rates applied to this shipment.

**CSX Note 1:** *Will be CSXT or CSXI for CSX contracts or price quotes.*

PI06	965	Issuing Carrier Identifier	O	AN	1/10	Must use
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**Description:** Identification assigned by issuing carrier.

**CSX Note 1:** *CSXI Contract prefix will be AGRT or SPQ.*

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

# 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
X101	83	<b>Code For Licensing, Certification, Registration, or Accreditation Agency</b>	O	ID	1/2	Used
<b>Description:</b> Code identifying a licensing, certification, registration, or accreditation agency.						
		<u>Code</u>	<u>Name</u>			
		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	US Customs Service - 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	<b>Export License Number</b>	O	AN	6/35	Used
<b>Description:</b> Government assigned identification number for exporter.						
X103	51	<b>Export License Status Code</b>	O	ID	1/1	Used
<b>Description:</b> Code defining whether the shipment completes the terms of the license, or the shipment is only a partial delivery relative to the license terms.						
<b>CSX Note 1: Required if X110 is present.</b>						
<b>All valid standard codes are used.</b>						
X104	373	<b>Date</b>	O	DT	8/8	Used
<b>Description:</b> Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year.						
X105	52	<b>Export License Symbol Code</b>	O	ID	1/2	Used
<b>Description:</b> Code which specifies the export symbol marked on a shipment.						
		<u>Code</u>	<u>Name</u>			
		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	<b>Export License Control Code</b>	O	ID	1/1	Used	
		<b>Description:</b> Code indicating the type of control applicable to the export license. <b>All valid standard codes are used.</b>					
X107	26	<b>Country Code</b>	O	ID	2/3	Used	
		<b>Description:</b> Code identifying the country. <b>CSX Note 1: US, CA, MX</b>					
		<i>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:</i> <b>XA ALBERTA</b> <b>XB NEW BRUNSWICK</b> <b>XC BRITISH COLUMBIA</b> <b>XM MANITOBA</b> <b>XN NOVA SCOTIA</b> <b>XO ONTARIO</b> <b>XP PRINCE EDWARD ISLAND</b> <b>XQ QUEBEC</b> <b>XS SASKATCHEWAN</b> <b>XT NORTHWEST TERRITORIES</b> <b>XW NEWFOUNDLAND</b> <b>XY YUKON TERRITORY</b>					
X108	141	<b>Schedule B Code</b>	O	ID	7/10	Used	
		<b>Description:</b> Code identifying commodity number established for international statistical purposes.					
X109	210	<b>International/Domestic Code</b>	O	ID	1/1	Used	
		<b>Description:</b> Code indicating international or domestic shipment. <b>All valid standard codes are used.</b>					
X110	80	<b>Lading Quantity</b>	O	N0	1/7	Used	
		<b>Description:</b> Number of units (pieces) of the lading commodity. <b>CSX Note 1: Represents a lading quantity that is required by Customs, and is required if different from L008.</b> <b>CSX Note 2: If used, X103 is required.</b>					
X111	148	<b>Lading Value</b>	O	R	2/9	Used	
		<b>Description:</b> Value of shipment for export, expressed in the standard monetary denomination for the currency specified. <b>CSX Note 1: Required with a default value of \$20 per kilo.</b>					
X112	47	<b>Export Filing Key Code</b>	O	ID	1/1	Used	
		<b>Description:</b> Code indicating the type of communications with customs.					

**All valid standard codes are used.**

X113	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Used
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**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken.

<u>Code</u>	<u>Name</u>
KG	Kilogram
LB	Pound

X114	212	<b>Unit Price</b>	O	R	1/17	Used
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**Description:** Price per unit of product, service, commodity, etc.

**CSX Note 1: Currency is qualified by XH01. If XH01 is absent, then default value is US Dollars.**

X115	1306	<b>U.S. Government License Type</b>	O	AN	1/1	Used
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**Description:** Code to identify the type of government license involved.

X116	67	<b>Identification Code</b>	O	AN	2/80	Used
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**Description:** Code identifying a party or other code.

X117	310	<b>Location Identifier</b>	O	AN	1/30	Used
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**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.**

# Loop LS

Pos: 6700	Repeat: 1
Optional	
Loop: LS	Elements: N/A

**User Option (Usage):** Dependent

**Purpose:** To indicate that the next segment begins a loop

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
6700	LS	Loop Header	O	1		Must use
6800		Loop LH1	O		99	Must use
7600	LE	Loop Trailer	M	1		Must use



# LS Loop Header

Pos: 6700	Max: 1
Heading - Optional	
Loop: LS	Elements: 1

**User Option (Usage):** Must use

**Purpose:** To indicate that the next segment begins a loop

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LS01	447	Loop Identifier Code	M	AN	1/4	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 value for the identifier is the loop ID of the required loop segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.

## Comments:

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

# Loop LH1

Pos: 6800	Repeat: 99
Optional	
Loop: LH1	Elements: N/A

**User Option (Usage):** Must use

**Purpose:** To specify the hazardous commodity identification reference number and quantity.

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
6800	LH1	Hazardous Identification Information	O	1		Must use
6900	LH2	Hazardous Classification Information	O	2		Must use
7000	LH3	Hazardous Material Shipping Name Information	O	10		Must use
7100	LFH	Free-form Hazardous Material Information	O	20		Dependent
7300	LH4	Canadian Dangerous Requirements	O	4		Dependent
7400	LHT	Transborder Hazardous Requirements	O	3		Dependent
7500	LHR	Hazardous Material Identifying Reference Numbers	O	5		Dependent
7550	PER	Administrative Communications Contact	O	5		Dependent
7560		Loop N1	O		10	Dependent

# LH1 Hazardous Identification Information

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

**User Option (Usage):** Must use

**Purpose:** To specify the hazardous commodity identification reference number and quantity.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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.

**CSX Note 1:** *Used to convey type of packages for bulk and non-bulk movements.*

**CSX Note 2:** *For unknown quantities, pass code 'UN'. Effective October 1, 2007 US regulations will require and accurate description.*

<u>Code</u>	<u>Name</u>
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	<b>Lading Quantity</b>	M	NO	1/7	Must use
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**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	<b>UN/NA Identification Code</b>	O	ID	6/6	Must use
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**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	<b>Commodity Code</b>	O	AN	1/7	Must use
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**Description:** Code describing a commodity or group of commodities.

**CSX Note 1:** *Must contain a 7-digit numeric Hazardous Materials Response Code (HMRC).*

LH106	355	<b>Unit or Basis for Measurement Code</b>	O	ID	2/2	Must use
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**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken.

<u>Code</u>	<u>Name</u>
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	<b>Quantity</b>	O	R	1/6	Must use
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**Description:** Numeric value of quantity.

**CSX Note 1:** *The volume or weight.*

LH109	665	<b>Residue Indicator Code</b>	O	ID	1/1	Dependent
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**Description:** Code indicating that the material being described is that which remains in a packaging (including a tank car) after it has been unloaded.

<u>Code</u>	<u>Name</u>
G	Residue Last Contained Description (Small Means of Containment)
P	Residue Last Contained Description (Packages)

LH110	254	<b>Packing Group Code</b>	O	ID	1/3	Dependent
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**Description:** Code indicating degree of danger in terms of Roman number I, II or III.

## Semantics:

1.

**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

Pos: 6900	Max: 2
Heading - Optional	
Loop: LH1	Elements: 11

**User Option (Usage):** Must use

**Purpose:** To specify the hazardous notation and endorsement information.

## Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH201	215	Hazardous Classification	O	ID	1/3	Must use

**Description:** 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'.*

LH202	983	Hazardous Class Qualifier	O	ID	1/1	Must use
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**Description:** Code qualifying hazardous class.  
All valid standard codes are used.

LH205	759	Reportable Quantity Code	O	ID	2/2	Dependent
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**Description:** Code to identify 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.

LH206	355	Unit or Basis for Measurement Code	X	ID	2/2	Dependent
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**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

LH207	408	Temperature	X	R	1/4	Dependent
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**Description:** Temperature.

**CSX Note 1:** *Flashpoint temperature.*

LH208	355	Unit or Basis for Measurement Code	X	ID	2/2	Dependent
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**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				
LH209	408	<b>Temperature</b>		X	R	1/4	Dependent
		<b>Description:</b> Temperature.					
		<b>CSX Note 1: <i>Control Temperature.</i></b>					
LH210	355	<b>Unit or Basis for Measurement Code</b>		X	ID	2/2	Dependent
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken.					
		<u><b>Code</b></u>	<u><b>Name</b></u>				
		CE	Centigrade, Celsius				
		FA	Fahrenheit				
LH211	408	<b>Temperature</b>		X	R	1/4	Dependent
		<b>Description:</b> Temperature.					
		<b>CSX Note 1: <i>Emergency Temperature.</i></b>					
LH212	188	<b>Weight Unit Code</b>		X	ID	1/1	Dependent
		<b>Description:</b> Code specifying the weight unit.					
		<b>All valid standard codes are used.</b>					
LH213	267	<b>Net Explosive Quantity</b>		X	N0	1/10	Dependent
		<b>Description:</b> Net weight of the explosive quantity of the hazardous commodity.					
		<b>CSX Note 1: <i>Used to convey net explosive weight for both US and Canadian shipments.</i></b>					

### 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):** Must use

**Purpose:** To specify the hazardous material shipping name and additional descriptive requirements.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LH301	224	<b>Hazardous Material Shipping Name</b>	X	AN	1/25	Must use
		<b>Description:</b> 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.				
LH302	984	<b>Hazardous Material Shipping Name Qualifier</b>	X	ID	1/1	Must use
		<b>Description:</b> Qualifier indicating the source (regulatory) of the proper shipping name. <b>All valid standard codes are used.</b>				
LH303	985	<b>N.O.S. Indicator Code</b>	O	ID	3/3	Dependent
		<b>Description:</b> Code indicating the type of regulatory requirements that apply to a description; N.O.S. stands for Not Otherwise Specified. <b>All valid standard codes are used.</b>				

## Syntax Rules:

1. P0102 - If either LH301 or LH302 is present, then the other is required.

## 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):** Dependent

**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:** Qualifier 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

LFH02	809	Hazardous Material Shipment Information	M	AN	1/25	Must use
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**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.*

LFH03	809	<b>Hazardous Material Shipment Information</b>	O	AN	1/25	Dependent
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**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.*

LFH04	1023	<b>Hazard Zone Code</b>	O	ID	1/1	Dependent
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**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.**

LFH05	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Dependent
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**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.*

<u>Code</u>	<u>Name</u>
1T	Terabecquerel
4N	Megabecquerel
G4	Gigabecquerel
R2	Becquerel

LFH06	380	<b>Quantity</b>	X	R	1/15	Dependent
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**Description:** Numeric value of quantity.

**CSX Note 1:** *Activity of radioactive material.*

*Used only when LFH01 equals RAM.*

LFH07	380	<b>Quantity</b>	O	R	1/15	Dependent
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**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	<b>Date</b>	O	DT	8/8	Dependent
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**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 when placing overflow into following iterations of the data element.*

**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.*

# LH4 Canadian Dangerous Requirements

Pos: 7300	Max: 4
Heading - Optional	
Loop: LH1	Elements: 2

**User Option (Usage):** Dependent

**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	Must use

**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.**

LH402	364	Communication Number	X	AN	1/80	Must use
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**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.

## Comments:

1. LH402 is used for the emergency response plan telephone number.

# LHT Transborder Hazardous Requirements

Pos: 7400	Max: 3
Heading - Optional	
Loop: LH1	Elements: 1

**User Option (Usage):** Dependent

**Purpose:** To specify the placard information required by the second government agency when shipment is to cross into another country.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LHT01	215	Hazardous Classification	O	ID	1/3	Must use

**Description:** The hazardous classification corresponding to the shipping name of the hazardous commodity.

# LHR Hazardous Material Identifying Reference Numbers

Pos: 7500 Max: 5  
 Heading - Optional  
 Loop: LH1 Elements: 3

**User Option (Usage):** Dependent

**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 qualifying 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

LHR02	127	Reference Identification	M	AN	1/80	Must use
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**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.).*

LHR03	373	Date	O	DT	8/8	Dependent
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**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 - Optional	
Loop: LH1	Elements: 4

**User Option (Usage):** Dependent

**Purpose:** To identify a person or office to whom administrative communications should be directed.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	Contact Function Code	M	ID	2/2	Must use
<b>Description:</b> Code identifying the major duty or responsibility of the person or group named.						
		<u>Code</u>	<u>Name</u>			
		CN	General Contact			
		HM	Hazardous Material Contact			
PER02	93	Name	O	AN	1/35	Used
<b>Description:</b> Free-form name.						
<b>CSX Note 1:</b> <i>(Limited to 35 for Rail Transactions).</i>						
<i>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').</i>						
PER03	365	Communication Number Qualifier	X	ID	2/2	Must use
<b>Description:</b> Code identifying the type of communication number.						
<b>CSX Note 1:</b> <i>This is the only allowable code.</i>						
		<u>Code</u>	<u>Name</u>			
		TE	Telephone			
PER04	364	Communication Number	X	AN	1/21	Must use
<b>Description:</b> Complete communications number including country or area code when applicable.						
<b>CSX Note 1:</b> <i>(Limited to 80 for Rail Transactions).</i>						

## Syntax Rules:

1. P0304 - If either PER03 or PER04 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.*



# Loop N1

Pos: 7560	Repeat: 10
Optional	
Loop: N1	Elements: N/A

**User Option (Usage):** Dependent

**Purpose:** To identify a party by type of organization, name, and code.

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
7560	N1	Party Identification	O	1		Dependent
7570	N3	Party Location	O	2		Dependent
7580	N4	Geographic Location	O	1		Dependent
7590	PER	Administrative Communications Contact	O	2		Dependent

# N1 Party Identification

Pos: 7560	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

**User Option (Usage):** Dependent

**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
SH	Shipper

N102	93	Name	X	AN	1/30	Must use
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**Description:** Free-form name.

**CSX Note 1:** *(Limited to 35 for Rail Transactions).*

N103	66	Identification Code Qualifier	X	ID	1/2	Used
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**Description:** Code designating the system/method of code structure used for Identification Code (67).

Code	Name
C5	Customer Identification File

N104	67	Identification Code	X	AN	2/80	Used
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**Description:** Code identifying a party or other code.

**CSX Note 1:** *CIF number if N103 equals 'C5' or the ISO Code 3166 for Country of Origin if N103 equals '38'.*

**CODE DEFINITION**  
**CA** Canada  
**MX** Mexico  
**US** United States

## 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.

# N3 Party Location

Pos: 7570	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Dependent

**Purpose:** To specify the location of the named party

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information	M	AN	1/30	Must use

**Description:** Address information.

**CSX Note 1:** *(limited to 30 characters for Rail transactions).*

N302	166	Address Information	O	AN	1/30	Used
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**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):** Dependent

**Purpose:** To specify the geographic place of the named party.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	<b>City Name</b>	O	AN	2/19	Must use
		<b>Description:</b> Free-form text for city name.				
N402	156	<b>State or Province Code</b>	X	ID	2/2	Must use
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency.				
N403	116	<b>Postal Code</b>	O	ID	3/9	Must use
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States).				
N404	26	<b>Country Code</b>	X	ID	2/3	Must use
		<b>Description:</b> Code identifying the country.				

## 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):** Dependent

**Purpose:** To identify a person or office to whom administrative communications should be directed

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	Contact Function Code	M	ID	2/2	Must use
<b>Description:</b> Code identifying the major duty or responsibility of the person or group named						
		<u>Code</u>		<u>Name</u>		
		RP		Responsible Person		
PER02	93	Name	O	AN	1/35	Used
<b>Description:</b> Free-form name						
<b>CSX Note 1: (Limited to 35 for Rail Transactions)</b>						
PER03	365	Communication Number Qualifier	X	ID	2/2	Must use
<b>Description:</b> Code identifying the type of communication number						
<b>CSX Note 1: This is the only allowable code value</b>						
		<u>Code</u>		<u>Name</u>		
		TE		Telephone		
PER04	364	Communication Number	X	AN	1/80	Must use
<b>Description:</b> Complete communications number including country or area code when applicable						
<b>CSX Note 1: (Limited to 80 for Rail Transactions)</b>						

## Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.

## CSX Note 1:

*This PER segment should only be used in loop iterations where N101 = 'HZ'. The contact is for informational purposes only. Hazardous Materials contacts should be conveyed in the applicable PER segments in the LH1 loop.*

*When used to convey a telephone or facsimile number the alpha representation of the number should not be used (i.e. 1-800-AARHELP).*

# LE Loop Trailer

Pos: 7600	Max: 1
Heading - Mandatory	
Loop: LS	Elements: 1

**User Option (Usage):** Must use

**Purpose:** To indicate that the loop immediately preceding this segment is complete.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LE01	447	Loop Identifier Code	M	AN	1/4	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 other loop. When specified by the standards 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 value for the identifier is the loop ID of the required loop beginning segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.

# PER Administrative Communications Contact

Pos: 7700	Max: 5
Heading - Optional	
Loop: N/A	Elements: 4

**User Option (Usage):** Dependent

**Purpose:** To identify a person or office to whom administrative communications should be directed

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	Contact Function Code	M	ID	2/2	Must use
<b>Description:</b> Code identifying the major duty or responsibility of the person or group named.						
		<u>Code</u>		<u>Name</u>		
		CN		General Contact		
		HM		Hazardous Material Contact		
PER02	93	Name	O	AN	1/35	Used
<b>Description:</b> Free-form name.						
<b>CSX Note 1:</b> <i>(Limited to 35 for Rail Transactions).</i>						
<i>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').</i>						
PER03	365	Communication Number Qualifier	X	ID	2/2	Must use
<b>Description:</b> Code identifying the type of communication number.						
		<u>Code</u>		<u>Name</u>		
		TE		Telephone		
PER04	364	Communication Number	X	AN	1/80	Must use
<b>Description:</b> Complete communications number including country or area code when applicable.						
<b>CSX Note 1:</b> <i>(Limited to 80 for Rail Transactions).</i>						

## Syntax Rules:

1. P0304 - If either PER03 or PER04 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.*

*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.*



# LH2 Hazardous Classification Information

Pos: 7800	Max: 2
Heading - Optional	
Loop: N/A	Elements: 11

**User Option (Usage):** Dependent

**Purpose:** To specify the hazardous notation and endorsement information.

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LH201	215	<b>Hazardous Classification</b>	O	ID	1/3	Used
<b>Description:</b> The hazardous classification corresponding to the shipping name of the hazardous commodity.						
<b>CSX Note 1: <i>Mandatory whenever the data is required for US and/or Canadian hazardous shipment requirements</i></b>						
<b><i>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).</i></b>						
<b><i>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’.</i></b>						
LH202	983	<b>Hazardous Class Qualifier</b>	O	ID	1/1	Used
<b>Description:</b> Code qualifying hazardous class.						
<b>All valid standard codes are used.</b>						
LH205	759	<b>Reportable Quantity Code</b>	O	ID	2/2	Used
<b>Description:</b> Code to identify presence of hazardous substance.						
<b>All valid standard codes are used.</b>						
LH206	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken.						
		<u>Code</u>		<u>Name</u>		
		CE		Centigrade, Celsius		
		FA		Fahrenheit		
LH207	408	<b>Temperature</b>	X	R	1/4	Used
<b>Description:</b> Temperature.						
<b>CSX Note 1: <i>Flashpoint temperature.</i></b>						
LH208	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken.						
		<u>Code</u>		<u>Name</u>		
		CE		Centigrade, Celsius		
		FA		Fahrenheit		
LH209	408	<b>Temperature</b>	X	R	1/4	Used
<b>Description:</b> Temperature.						
<b>CSX Note 1: <i>Control Temperature.</i></b>						
LH210	355	<b>Unit or Basis for Measurement Code</b>	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.

<u>Code</u>	<u>Name</u>
CE	Centigrade, Celsius
FA	Fahrenheit

LH211	408	<b>Temperature</b>	X	R	1/4	Used
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**Description:** Temperature.

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

LH212	188	<b>Weight Unit Code</b>	X	ID	1/1	Used
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**Description:** Code specifying the weight unit.

**All valid standard codes are used.**

LH213	267	<b>Net Explosive Quantity</b>	X	N0	1/10	Used
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**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):** Dependent

**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	Used

**Description:** Code qualifying the Reference Identification.

Code	Name
AH	Agreement Number
HE	Hazardous Exemption Number
PN	Permit Number

LHR02	127	Reference Identification	M	AN	1/30	Used
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**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.)*

LHR03	373	Date	O	DT	8/8	Used
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**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):** Must use

**Purpose:** To specify the name of the person certifying that the shipment complies with the regulations and/or the actual certification

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LH601	93	Name	O	AN	1/35	Must use

**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.**

## CSX Note 1:

*This segment is only used on the 404 and is mandatory for loaded hazardous shipments.*

# 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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	N0	1/10	Must use
<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments.						
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
<b>Description:</b> 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.