



CSXT EDI 404 Rail Carrier Shipment Information (Bill of Lading) v005010

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

877-SHIPCSX option 2, prompt 1

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404

Rail Carrier Shipment Information

Functional Group=SR

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

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>	<u>Page</u>
010	ST	Transaction Set Header	M	1			Must use	3
020	ZC1	Beginning Segment For Data Correction Or Change	O	1			Used	4
030	BX	General Shipment Information	M	1		N1/030	Must use	5
040	BNX	Rail Shipment Information	M	1		N1/040	Used	7
050	M3	Release	M	1			Must use	8
060	N9	Reference Identification	M	30		C1/060	Must use	9
070	CM	Cargo Manifest	O	2			Used	12
090	DTM	Date/Time Reference	O	5			Must use	15
LOOP ID - N7					250	CN1/100L		16
100	N7	Equipment Details	M	1			Must use	17
LOOP ID - VC					21			19
110	VC	Motor Vehicle Control	O	1		N1/110	Used	20
130	M7	Seal Numbers	O	5		N1/130	Used	21
170	M12	In-bond Identifying Information	O	2		N1/170	Used	22
175	GA	Canadian Grain Information	O	15		N1/175	Used	24
LOOP ID - REF					99			27
177	REF	Reference Identification	O	1			Used	28
060	N9	Reference Identification	M	30		C1/060	Must use	29
178	N10	Quantity and Description	O	15		N1/178	Used	31
LOOP ID - N1					5			33
179	N1	Name	O	1			Used	34
180	N3	Address Information	O	1			Used	36
182	N4	Geographic Location	O	1		N1/182	Used	37
190	F9	Origin Station	M	1			Must use	38
200	D9	Destination Station	M	1			Must use	39
LOOP ID - N1					10	N1/210L		40
210	N1	Name	M	1		N1/210	Must use	41
215	N2	Additional Name Information	O	2		N1/215	Used	44
220	N3	Address Information	O	2		N1/220	Used	45
230	N4	Geographic Location	O	1		N1/230	Used	46
240	PER	Administrative Communications Contact	O	2		N1/240	Used	47
460	R2	Route Information	M	13		N1/460	Used	48
LOOP ID - E1					2	N1/490L		50
490	E1	Empty Car Disposition - Pended Destination Consignee	O	1			Used	51
500	E4	Empty Car Disposition - Pended Destination City	O	1			Used	52
510	E5	Empty Car Disposition - Pended Destination Route	O	13			Used	53
520	H3	Special Handling Instructions	O	20		N1/520	Used	54
530	PS	Protective Service	O	5		N1/530	Used	57

Instructions

<u>LOOP ID - LX</u>				<u>20</u>	<u>N1/540L</u>		
540	LX	Assigned Number	M	1	N1/540	Must use	59
550	L5	Description, Marks and Numbers	M	15	N1/550	Must use	60
<u>LOOP ID - L0</u>				<u>25</u>			61
570	L0	Line Item - Quantity and Weight	O	1	N1/570	Used	63
580	L1	Rate and Charges	O	10	N1/580	Used	64
590	PI	Price Authority Identification	O	2		Used	66
600	X1	Export License	O	6	N1/600	Used	67
<u>LOOP ID - LS</u>				<u>1</u>	<u>N1/670L</u>		69
670	LS	Loop Header	O	1		Used	74
<u>LOOP ID - LH1</u>				<u>100</u>			75
680	LH1	Hazardous Identification Information	O	1		Used	76
690	LH2	Hazardous Classification Information	O	4	N1/690	Used	77
700	LH3	Hazardous Material Shipping Name	M	10	N1/700	Used	83
710	LFH	Freeform Hazardous Material Information	O	20	N1/710	Used	85
720	LEP	EPA Required Data	O	3		Used	86
730	LH4	Canadian Dangerous Requirements	O	1		Used	89
740	LHT	Transborder Hazardous Requirements	O	3		Used	90
750	LHR	Hazardous Material Identifying Reference Numbers	O	5		Used	91
755	PER	Administrative Communications Contact	O	5	N1/755	Used	92
<u>LOOP ID - N1</u>				<u>10</u>			93
7560	N1	Party Identification	O	1	N1/7560	Used	94
7570	N3	Party Location	O	2	N1/7570	Used	95
7580	N4	Geographic Location	O	1	N1/7580	Used	96
7590	PER	Administrative Communications Contact	O	2	N1/7590	Used	97
760	LE	Loop Trailer	M	1		Used	98
770	PER	Administrative Communications Contact	O	5	N1/770	Used	99
790	LHR	Hazardous Material Identifying Reference Numbers	O	1		Used	100
800	LH6	Hazardous Certification	O	1	N1/800	Used	101
810	XH	Pro Forma - B13 Information	O	1	N1/810	Used	102
820	X7	Customs Information	O	10		Used	103
840	SE	Transaction Set Trailer	M	1		Must use	104

Comments:

- 1/060 N907 is the composite data element C040, however it is represented as DE 128, which is the first data element to the composite
- 1/100L A N701 is mandatory for rail transactions.
B N720 and N721 are expressed in inches.
- 1/060 N907 is the composite data element C040, however it is represented as DE 128, which is the first data element to the composite

ST Transaction Set Header

Pos: 010	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

Description: 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
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Description: 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) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

ZC1

Beginning Segment For Data Correction Or Change

Pos: 020	Max: 1
Heading - Optional	
Loop: N/A	Elements: 8

User Option (Usage): Used

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>
ZC101	145	Shipment Identification Number	O	AN	1/15	Used
Description: Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)						
ZC102	206	Equipment Initial	M	AN	1/4	Used
Description: Prefix or alphabetic part of an equipment unit's identifying number						
CSX Note 1: <i>Must be identical to the previous shipping instructions.</i>						
ZC103	207	Equipment Number	M	AN	1/6	Must use
Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)						
CSX Note 1: <i>Must be identical to the previous shipping instructions.</i>						
ZC104	244	Transaction Reference Number	M	AN	1/15	Must use
Description: Sender's assigned number for referenced transaction set						
CSX Note 1: <i>Bill of Lading/Shipment number as previously transmitted in the N9 Segment with code values of BM</i>						
ZC105	243	Transaction Reference Date	M	DT	8/8	Must use
Description: Date of referenced transaction set expressed in format CCYYMMDD						
CSX Note 1: <i>Original date of the Bill of Lading/Shipment number previously transmitted in the N9 Segment with code values of BM</i>						
ZC106	202	Correction Indicator	M	ID	2/2	Must use
Description: Code used to indicate that the transaction set contains information which corrects previous information						
CSX Note 1: <i>Reason for requesting this correction or change</i>						
		<u>Code</u>	<u>Name</u>			
		CO	Correction			
ZC107	140	Standard Carrier Alpha Code	M	ID	2/4	Must use
Description: Standard Carrier Alpha Code						
CSX Note 1: <i>CSXT</i>						
ZC108	91	Transportation Method/Type Code	M	ID	1/2	Must use
Description: Code specifying the method or type of transportation for the shipment						
		<u>Code</u>	<u>Name</u>			
		R	Rail			

Semantics:

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

Comments:

1. For any rail shipment, ZC102 is required.

BX General Shipment Information

Pos: 030	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 8

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

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

<u>Code</u>	<u>Name</u>
R	Rail

BX03	146	Shipment Method of Payment	M	ID	2/2	Must use
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Description: Code identifying payment terms for transportation charges

<u>Code</u>	<u>Name</u>
11	Rule 11 Shipment
CC	Collect
NR	Non Revenue
PP	Prepaid (by Seller)

BX04	145	Shipment Identification Number	O	AN	1/30	Used
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Description: Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)

BX05	140	Standard Carrier Alpha Code	O	ID	2/4	Used
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Description: Standard Carrier Alpha Code

CSX Note 1: Contains the SCAC of the original linehaul carrier.

BX06	188	Weight Unit Code	M	ID	1/1	Used
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Description: Code specifying the weight unit

CSX Note 1: Qualifies all weights in the transaction set, except hazardous

<u>Code</u>	<u>Name</u>
K	Kilograms
L	Pounds

BX07	147	Shipment Qualifier	O	ID	1/1	Used
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Description: 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>
1	Master Bill for Empty Non-Revenue Equipment

CSX Note 1:

A shipper may tender multiple empty shipments in a single shipment information transaction as long as all pieces of equipment have the same shipment information. Not all roads support this functionality. Multiple N7 segments may each include the specific weights for the equipment specified and may become the basis for the individual waybills prepared.

B	Bill of Lading for Individual Shipment
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- E Empty Equipment Billing (Non-Revenue)
- G Switch Waybill
- H Company Business (Non-revenue)
- M Master Bill of Lading for Assembly, Distribution and Volume Shipment

Description: A bill of lading with multiple delivery locations

CSX Note 1:

A shipper may tender multiple loaded shipments in a single shipment information transaction as long as all pieces of equipment have the same shipment information and individual freight bills may be created. Not all roads support this facility. Multiple N7 segments may each include the specific weights for the equipment specified and may become the basis for the individual waybills prepared.

CSX Note 2:

A shipper may tender multiple loaded shipments in a single shipment information transaction as long as all pieces of equipment have the same shipment information and individual freight bills may be created. Not all roads support this functionality. Multiple N7 segments may each include the specific weights for the equipment specified and may become the basis for the individual waybills prepared.

- N Multiple Loads (Blind Memo) Memo--Incomplete Documentation

CSX Note 1:

Multiple car company material load

- S Submaster Bill of Lading for Volume Shipment
Description: A bill of lading for a full truckload shipment
- W Revenue Empty
- X Empty Switch Waybill

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

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

<u>Code</u>	<u>Name</u>
S	In Effect

Semantics:

1. BX05 contains the SCAC of the origin linehaul carrier receiving the shipment

BNX Rail Shipment Information

Pos: 040	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 3

User Option (Usage): Used

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	Shipment Weight Code	O	ID	1/1	Used

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

CSX Note 1: When specifying weights to be obtained by a means other than Railroad weight for revenue shipments, specify the source from the list of valid codes.

The application of Destination Weights will be communicated by a 'D'.

Weights authorized or calculated based on items in a tariff should be indicated with a 'T' in BNX01 and actual Net Weight (N703) properly qualified (N704 = N).

CSX Note 2: This element is mandatory for loaded revenue shipments

<u>Code</u>	<u>Name</u>
A	Shipper's Weight Agreement
D	Destination Weight Agreement
	Description: Weights provided by consignee or receiver at destination
	CSX Note 1:
	Weights provided by consignee or receiver under controlled condition.
N	No Wt. Req., Ship. Moving on Contract or per car rate
O	Official Weight
R	Carrier Scale Weight
	CSX Note 1:
	The presence of actual net weights or gross weights in N704 (Code values 'N' or 'G') indicate that the car has been weighed. A weight qualifier indicating estimated weight in N704 (Code value 'E') indicates that the car has not been weighed.
S	Shipper Certified Scale Weights
T	Tariff Authorized Weight
	CSX Note 1:
	Used for weights authorized or calculated based on items in a tariff. The actual net weight (N703) is properly qualified in the N704 with a code value of 'N'.

BNX03	11	Billing Code	O	ID	1/1	Used
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Description: Code indicating type of Bill

<u>Code</u>	<u>Name</u>
A	Temporarily Articulated Load
M	Multiple Shipment Billing
	CSX Note 1:
	When communicating information on blanket bills of lading, which contain more than one piece of equipment moving as a unit, where one freight bill will be created, the BX07 and BNX03 will contain the code value of 'M'.
S	Single Shipment Billing
	CSX Note 1:
	This is used to bill single car shipments.
	Additionally, a shipper may tender multiple loaded shipments in a single shipment information transaction as long as all pieces of equipment have the same shipment information except for weight, seals or other equipment specific data.
	Single shipment waybills and freight bills may be created. Not all roads support this facility. Multiple N7 segments may each include the specific weights for the equipment specified and may become the basis for the individual waybills prepared.
U	Unit Train Billing

M3 Release

Pos: 050	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

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

<u>Code</u>	<u>Name</u>
B	Not Released - Billing Data Only
R	Released with Billing Data

M302	373	Date	M	DT	8/8	Used
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Description: Date expressed as CCYYMMDD
CSX Note 1: Past dates and time will be rejected. Future dates and time will cause the bill of lading to be held and will not release for processing until that date and time have been reached.

M303	337	Time	X	TM	4/8	Used
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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: Past dates and time will be rejected. Future dates and time will cause the bill of lading to be held and will not release for processing until that date and time have been reached.

M304	623	Time Code	O	ID	2/2	Used
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Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

<u>Code</u>	<u>Name</u>
CT	Central Time
ET	Eastern Time
LT	Local Time
CSX Note 1: Used for time zones not listed	
MT	Mountain Time
PT	Pacific Time

Syntax Rules:

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

Semantics:

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

N9

Reference Identification

Pos: 060	Max: 30
Heading - Mandatory	
Loop: N/A	Elements: 5

User Option (Usage): Must use

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

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

Description: Code qualifying the Reference Identification

CSX Note 1: The Bill of Lading/Shipment Number, code value of 'BL', 'BM', 'BN', 'CO', 'CR', 'OB', 'SI' or 'WY' must be included in each transaction

<u>Code</u>	<u>Name</u>
09	Customs Bar Code Number CSX Note 1: <i>Use for Customs C4 number</i>
2K	Food and Drug Administration (FDA) Product Type Description: Used by shipper to indicate that the commodity is subject to the FDA prior notification requirement.
BC	Buyer's Contract Number
BL	Government Bill of Lading CSX Note 1: <i>If used N904 is the document preparation date</i>
BM	Bill of Lading Number CSX Note 1: <i>If used N904 is the document preparation date CSX requires a Bill of lading Number.</i>
CD	Credit Note Number
CG	Consignee's Order Number
CN	Carrier's Reference Number (PRO/Invoice)
CO	Customer Order Number CSX Note 1: <i>If used N904 is the document preparation date</i>
CR	Customer Reference Number
CS	Condition of Sale Document Number
CV	Coil Number
CX	Consignment Classification ID CSX Note 1: <i>When 'CX' is used, CSX will use the first five characters in the N902 to arrive at the commodity class or coal consignment.</i> <i>If the first character in the N902 is alphabetic, the first two characters indicate the coal class and will be used to derive the commodity class.</i> <i>The third - fifth character would indicate the consignee code and will be used to derive the coal assignment.</i>
DV	Diversion Authority Number
EB	Embargo Permit Number
ED	Export Declaration
EN	Embargo Number
F9	Freight Payor Reference Number
FN	Forwarder's/Agent's Reference Number
FP	Forestry Permit Number
GB	Grain Block Number
GC	Government Contract Number
GR	Grain Order Reference Number

HS	Harmonized Code System (Canada)
HW	High/Wide File Number
IN	Consignee's Invoice Number
LT	Lot Number
MA	Ship Notice/Manifest Number
MB	Master Bill of Lading
OS	Outbound-from Party
OW	Service Order Number
	Description: <i>Number assigned when a customer orders service and equipment and which appears on bill</i>
	CSX Note 1: <i>Used to indicate the shipment identification to be passed backon the freight invoice. The SID number will be passed back in the N9 segment on the corresponding 410.</i>
PK	Packing List Number
	CSX Note 1: <i>Used for identification of automobile parts for Canadian Customs applications</i>
PN	Permit Number
PO	Purchase Order Number
PQ	Payee Identification
PU	Previous Bill of Lading Number
	CSX Note 1: <i>Used for storage in transit with when BNX03 is 'H'. N902 will contain the previous shipment information number and N904 will contain the previous shipment information date.</i>
QL	Service Authorization Number
	Description: <i>Identifies pre-authorized submittal or payment of a claim</i>
	CSX Note 1: <i>Limited to usage in RAMP-ED process.</i>
S7	Stack Train Identification
SI	Shipper's Identifying Number for Shipment (SID)
	Description: <i>A unique number (to the shipper) assigned by the shipper to identify the shipment</i>
SO	Shipper's Order (Invoice Number)
ST	Store Number
SW	Seller's Sale Number
UT	Unit Train
V0	Version
VA	Vessel Agent Number
WM	Weight Agreement Number
WU	Vessel
ZE	Coal Authority Number
SNP	US Customs & Border Protection Second Notify Party
	Description: <i>Used to pass the Customs Carrier SCAC or FIRMS Code of a Second Notify Party.</i>

N902	127	Reference Identification	X	AN	1/15	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
		CSX Note 1: <i>If N901 equals '2K' pass 'FDA' here.</i>				

N904	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
		CSX Note 1: <i>The preparation date of the document if N901 contains the codes BL, BM</i>				
		CSX Note 2: <i>If one of the above-listed codes is used, the use of this date is highly recommended. It is the date when the equipment movement reportings will begin matching movements to the waybill for Parameter Tracing (TRAIN 76).</i>				

N905 337 **Time** X TM 4/8 Recommended

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 codes BL, BM*

CSX Note 2: *If one of the above-mentioned codes is used, the use of this time is highly recommended. It is the time the equipment movement reportings will begin matching to the waybill for parameter tracing (Train 76).*

N906 623 **Time Code** O ID 2/2 Recommended

Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

<u>Code</u>	<u>Name</u>
CT	Central Time
ET	Eastern Time
LT	Local Time

CSX Note 1:
Used for time zones not listed

MT	Mountain Time
PT	Pacific Time

Syntax Rules:

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

Semantics:

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

CSX Note 1:

The Bill of Lading/Shipment number, code value of BL, BM must be included in each transaction.

CSX Note 2:

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 3:

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.

CM Cargo Manifest

Pos: 070	Max: 2
Heading - Optional	
Loop: N/A	Elements: 14

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	Flight/Voyage Number	O	AN	2/10	Used

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

CM02	115	Port or Terminal Function Code	X	ID	1/1	Used
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Description: 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) Description: Last port at which cargo is unloaded from vessel
2	Collect Charge Location (Operational) Description: Place at which collect charges are paid
3	Customs Office of Manifest Origin
4	Customs Office of Manifest Destination
5	Activity Location (Operational) Description: Place at which the activity being reported is occurring
6	Origin Rail Intermodal Terminal
7	Destination Rail Intermodal Terminal
8	First Optional Port of Discharge
9	Second Optional Port of Discharge
A	Place of Acceptance (Operational) Description: Place at which carrier actually accepts cargo from shipper or his agent
B	Reconsolidation Point (Operational) Description: Place at which loose or other noncontainerized cargo is regrouped for further carriage
C	De-Consolidation Point (Operational) Description: Place at which loose or other noncontainerized cargo is ungrouped for delivery
D	Port of Discharge (Operational) Description: Port at which cargo is unloaded from vessel
E	Place of Delivery (Contractual) Description: Place at which cargo leaves its care and custody of carrier
F	Freight Payable At (Contractual) Description: Carrier's location of collection of freight
G	Port of Entry (Operational) Description: Place at which cargo actually enters a country where the cargo is not part of its commerce
H	Port of Exit (Operational) Description: Place at which cargo actually leaves a country where the cargo is not part of its commerce
I	Interim Point (Operational) Description: Place at which cargo is transferred from one inland means of transport to another
J	Bill of Lading Port of Loading (Contractual) Description: Place at which cargo is loaded on board the means of transport
K	Bill of Lading Port of Discharge (Contractual) Description: Place at which cargo is discharged from means of transport
L	Port of Loading (Operational) Description: Port at which cargo is loaded on vessel
M	Destination (Operational)

N	Description: Place at which carrier actually turns cargo to consignee or his agent Final Destination (Operational)
O	Description: Consignee's facility at which shipment ends its movement at cargo's expense Origin (Operational)
P	Description: Shipper's facility at which shipment begins its movement at cargo's expense Dispatching Pool (Operational)
Q	Description: Place from which equipment is dispatched Bill of Lading Origin of Goods (Contractual)
R	Description: Origin of goods or shipments, or both as denoted on bill of lading Place of Receipt (Contractual)
S	Description: Place at which cargo enters the care and custody of carrier Return Pool (Operational)
T	Description: Place at which equipment is returned Transshipment Port (Contractual)
V	Description: Place at which prepaid charges are paid Prepaid Charge Location (Operational)
W	Description: Place at which original bills of lading are released to the shipper or his agent Bill of Lading Release Office (Operational)
X	Third Optional Port of Discharge
Y	Description: Port at which cargo is transferred from one vessel to another Relay Port (Operational)

CM03	114	Port Name	O	AN	2/24	Used
		Description: Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property				
CM04	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
CM05	13	Booking Number	O	AN	1/17	Used
		Description: Number assigned by the carrier for space reservation				
CM06	140	Standard Carrier Alpha Code	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
CM07	140	Standard Carrier Alpha Code	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
CM08	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
CM09	182	Vessel Name	O	AN	2/28	Used
		Description: Name of ship as documented in "Lloyd's Register of Ships"				
CM10	113	Pier Number	O	AN	1/4	Used
		Description: Identifying number for the pier				
CM11	112	Pier Name	O	AN	2/14	Used
		Description: Free-form name of the pier				
CM12	174	Terminal Name	O	AN	2/30	Used
		Description: Free-form field for terminal name				
CM13	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				

CM14	26	Country Code	O	ID	2/3	Used
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Description: Code identifying the country

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: 090	Max: 5
Heading - Optional	
Loop: N/A	Elements: 6

User Option (Usage): Must use
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 CSX Note 1: <i>If used, this is intended to identify the date and time when the equipment being picked up from the customer's dock will arrive at the Rail Facility. This is provided by the party submitting shipment information to the origin carrier, and should be passed to the next carrier in the route via transaction set 417.</i>
017	Estimated Delivery CSX Note 1: <i>If used, this is intended to identify the date and time of final delivery to receiving customer's dock/facility for unloading. If equipment is to be loaded on a sailing vessel, date and time should be interpreted as vessel cutoff time. This is provided by the party submitting shipment information to the origin carrier, and should be passed to the next carrier in the route via transaction set 417.</i>
067	Current Schedule Delivery
068	Current Schedule Ship
069	Promised for Delivery
168	Release
196	Start
197	End
372	Actual Arrival Date CSX Note 1: <i>Used for Safe Container Act compliance.</i>
458	Certification Description: Date of a document attesting to a fact CSX Note 1: <i>Used for Safe Container Act compliance. See Standards Conventions chapter for Safe Container Act compliance.</i>
ICF	Converted to Electronic Date

DTM02	373	Date	X	DT	8/8	Used
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Description: Date expressed as CCYYMMDD

DTM03	337	Time	X	TM	4/8	Used
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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)

Syntax Rules:

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

Loop Equipment Details

Pos: 100	Repeat: 250
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>
100	N7	Equipment Details	M	1		Must use
110		Loop VC	O		21	Used
130	M7	Seal Numbers	O	5		Used
170	M12	In-bond Identifying Information	O	2		Used
175	GA	Canadian Grain Information	O	15		Used
177		Loop REF	O		99	Used

Semantics:

- 1 N712 is the SCAC of the Equipment Owner
- 2 N723 is the SCAC of the operator or carrier of the rights of the equipment.

N7 Equipment Details

Pos: 100	Max: 1
Heading - Mandatory	
Loop: N7	Elements: 15

Loop Path: N7

User Option (Usage): Must use

Purpose: To identify the equipment

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>
N701	206	Equipment Initial	M	AN	1/4	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 on all Rail transaction sets. CSX requires at least two characters for the Equipment Initial.

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 (pure numeric form for equipment number is preferred)

CSX Note 1: Data element 207 (Equipment Number) is always numeric, is left justified without any leading zeroes or blanks and shall not include the check digit. Limited to 6 characters.

N703	81	Weight	X	R	1/10	Used
------	----	--------	---	---	------	------

Description: Numeric value of weight

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

CSX Note 2: For intermodal shipments, the actual net weight or the certified weight should be passed here.

CSX Note 3: Must include dunnage weight

N704	187	Weight Qualifier	X	ID	1/2	Used
------	-----	------------------	---	----	-----	------

Description: Code defining the type of weight

<u>Code</u>	<u>Name</u>
E	Estimated Net Weight CSX Note 1: If used with BNX01, code value 'R', this indicates that the car has not been weighed. This code is used to specify CSR 11 endorsements on revenue shipments. CSX Note 2: If used with BNX01, code values of 'A', 'S' shipper must provide a weight update within 24 hours from receipt of bill of lading. Weight updates should be provided to CSX electronically utilizing EDI 440 transaction set.
G	Gross Weight CSX Note 1: If used with BNX01 code value 'R', this specifies that the car has been weighed.
N	Actual Net Weight CSX Note 1: If used with BNX01 code value "R" this specifies that the car has been weighed. Also used to convey the certified weight (Gross Cargo Weight) for Safe Container Act compliance.

N705	167	Tare Weight	X	NO	3/8	Used
------	-----	-------------	---	----	-----	------

Description: Weight of the equipment

N711	40	Equipment Description Code	M	ID	2/2	Used
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Description: Code identifying type of equipment used for shipment

<u>Code</u>	<u>Name</u>
ID	Idler Car
LO	Locomotive
RR	Rail Car
TN	Tank Car

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.
2. N723 is the operator or carrier of the rights of the equipment.

Comments:

1. N701 is mandatory for rail transactions.
2. N720 and N721 are expressed in inches.

Loop Motor Vehicle Control

Pos: 110	Repeat: 21
	Optional
Loop: VC	Elements: N/A

Loop Path: N7

User Option (Usage): Used

Purpose: To define motor vehicle identification and logistics

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>
110	VC	Motor Vehicle Control	O	1		Used

Semantics:

1. VC05 is the automotive manufacturer route code.

VC Motor Vehicle Control

Pos: 110	Max: 1
Heading - Optional	
Loop: VC	Elements: 13

Loop Path: N7-VC

User Option (Usage): Used

Purpose: To define motor vehicle identification and logistics

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>
VC01	539	Vehicle Identification Number	M	AN	1/25	Must use
Description: Unique identification number stamped on the vehicle by the manufacturer						
VC02	836	Vehicle Deck Position Code	O	ID	2/2	Used
Description: Code to identify the specific position of a vehicle on multi-level equipment; when dealing with rail cars the front end will be defined as that end of the rail car which the vehicle faces All valid standard codes are used.						
VC03	837	Vehicle Type Code	O	ID	1/1	Used
Description: Vehicle Type Code for freight rate and claims purposes						
		<u>Code</u>		<u>Name</u>		
		1		Automobile		
		2		Truck		
		3		Others		
		4		Used Vehicles		
		5		Military		
VC04	838	Dealer Code	O	AN	2/9	Used
Description: A code assigned by a manufacturer to identify their dealers						
VC05	1	Route Code	O	AN	1/13	Used
Description: Mutually defined route code CSX Note 1: <i>Auto manufacturer's route code</i>						

Semantics:

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

M7 Seal Numbers

Pos: 130	Max: 5
Heading - Optional	
Loop: N7	Elements: 4

Loop Path: N7

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	Seal Number	M	AN	2/15	Must use
		Description: Unique number on seal used to close a shipment				
M702	225	Seal Number	O	AN	2/15	Used
		Description: Unique number on seal used to close a shipment				
M703	225	Seal Number	O	AN	2/15	Used
		Description: Unique number on seal used to close a shipment				
M704	225	Seal Number	O	AN	2/15	Used
		Description: Unique number on seal used to close a shipment				

Comments:

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

M12 In-bond Identifying Information

Pos: 170	Max: 2
Heading - Optional	
Loop: N7	Elements: 8

Loop Path: N7

User Option (Usage): Used

Purpose: To transmit in-bond information

Element Summary:

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

Description: Code defining the type of entry assigned by U.S. Customs

CSX Note 1: 61 Immediate Transportation Imported to US

62 Transportation Exportation Imported and final destination is outside the US

63 Immediate Exportation Imported to US, Export from the US, with no in-transit movement

69 Transit This signifies US-CANADA-US movements

70 Multi-Transit This signifies traffic with multiple US border crossings with the shipment terminating in the US

A2 Ocean In-bond Carrier Remanifest If used, M1208 must equal 'XC'

A6 Ocean In-bond - No Carrier Remanifest If used, M1208 must equal 'XC'

A8 Truck In-bond - Carrier Remanifest If used, M1208 must equal 'XC'

DP Duty Paid - Cleared Customs If used, M1208 must equal 'XC'

M1202	601	Customs Entry Number	X	AN	1/15	Used
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Description: Automated Commercial System Code Furnished by U.S. Customs Service

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.

M1203	310	Location Identifier	O	AN	1/30	Used
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Description: Code which identifies a specific location

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

M1204	310	Location Identifier	O	AN	1/30	Used
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Description: Code which identifies a specific location

CSX Note 1: This is 5-digit numeric census schedule K. It is the foreign port of destination if M1201 is 62 or 63.

M1205	602	Customs Shipment Value	O	AN	2/8	Used
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Description: Customs value in whole dollars

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

CSX Note 2: Required for US bonds

M1206	603	In-bond Control Number	X	AN	1/25	Used
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Description: Currently assigned control number for in-bond movement

M1208	128	Reference Identification Qualifier	X	ID	2/3	Used
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Description: Code qualifying the Reference Identification

Code

BI

Name

Bonded Carrier Internal Revenue Service Identification Number

Description: Only used for Railroad Bond.

S4	Shippers Bond Number Description: <i>Number differentiating between shipper's bond movements by intermodal shippers and ocean carriers and in-bond movements which default to the carrier's bond</i> CSX Note 1: <i>Identifies a non-rail carrier bond.</i>
XC	Cargo Control Number CSX Note 1: <i>Used if M1201 is A2, A6, A8 or DP</i>

M1209	127	Reference Identification	X	AN	1/30	Used
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						
CSX Note 1: <i>Contains the IRS number of the bond holder identified in M1208 for codes BI and S4.</i>						
CSX Note 2: <i>If used for Canadian In-Bond reporting, this will contain the Cargo Control Number (CCN).</i>						

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.
3. This segment contains changes not yet reflected in X12

GA Canadian Grain Information

Pos: 175	Max: 15
Heading - Optional	
Loop: N7	Elements: 17

Loop Path: N7

User Option (Usage): Used

Purpose: To transmit the transportation and distribution requirements of grain at Canadian ports

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>																																										
GA01	1275	Fumigated/Cleaned Indicator	O	ID	1/1	Used																																										
<p>Description: Code indicating whether product has been fumigated and/or cleaned All valid standard codes are used.</p>																																																
GA02	22	Commodity Code	O	AN	1/30	Used																																										
<p>Description: Code describing a commodity or group of commodities CSX Note 1: Will contain the Canadian Grain Commission Commodity Code for terminal elevator and will be required for each new occurrence of a different grain or grain order. CSX Note 2: Code Source is Canadian Grain Commission Grain Code 435</p>																																																
GA03	1576	Inspected/Weighed Indicator Code	O	ID	1/2	Used																																										
<p>Description: Code indicating whether product has been inspected and/or weighed CSX Note 1: If GA03 is IW or IB, then CGC Certified weight is required in N703. N704 should be actual net weight, Code N. CSX Note 2: If not present, then shipment is neither inspected nor weighed. All valid standard codes are used.</p>																																																
GA04	128	Reference Identification Qualifier	O	ID	2/3	Used																																										
<p>Description: Code qualifying the Reference Identification</p> <table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>BO</td> <td>Bin Location Number</td> </tr> <tr> <td>CW</td> <td>Canadian Wheat Board Permit Number</td> </tr> <tr> <td>DK</td> <td>Dock Number</td> </tr> <tr> <td colspan="2">CSX Note 1:</td> </tr> <tr> <td colspan="2">Used for Platform number (Producer/Dealer authorization number)</td> </tr> <tr> <td>EP</td> <td>Export Permit Number</td> </tr> <tr> <td>GB</td> <td>Grain Block Number</td> </tr> <tr> <td>GR</td> <td>Grain Order Reference Number</td> </tr> <tr> <td>OH</td> <td>Origin House</td> </tr> <tr> <td colspan="2">Description: Origin House for Canadian Wheat Board</td> </tr> <tr> <td>PN</td> <td>Permit Number</td> </tr> <tr> <td>RB</td> <td>Rate code number</td> </tr> <tr> <td colspan="2">Description: Used for incentive grain, multi-car block qualifier</td> </tr> <tr> <td>RN</td> <td>Run Number</td> </tr> <tr> <td colspan="2">CSX Note 1:</td> </tr> <tr> <td colspan="2">Used for Canadian Wheat Board Train Run qualifier</td> </tr> <tr> <td>XO</td> <td>Sample Number</td> </tr> <tr> <td colspan="2">CSX Note 1:</td> </tr> <tr> <td colspan="2">Grain company sample number. Sample number for grain company test weight of grain as appears in GA16 and GA17.</td> </tr> <tr> <td>ZT</td> <td>Milling in Transit</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	BO	Bin Location Number	CW	Canadian Wheat Board Permit Number	DK	Dock Number	CSX Note 1:		Used for Platform number (Producer/Dealer authorization number)		EP	Export Permit Number	GB	Grain Block Number	GR	Grain Order Reference Number	OH	Origin House	Description: Origin House for Canadian Wheat Board		PN	Permit Number	RB	Rate code number	Description: Used for incentive grain, multi-car block qualifier		RN	Run Number	CSX Note 1:		Used for Canadian Wheat Board Train Run qualifier		XO	Sample Number	CSX Note 1:		Grain company sample number. Sample number for grain company test weight of grain as appears in GA16 and GA17.		ZT	Milling in Transit
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GA06	642	Week	O	NO	4/4	Used
		Description: Week expressed as year/week (YYWW); week is an integer between 1 and 53 inclusive				
GA07	899	Unload Terminal Elevator Code	O	ID	3/4	Used
		Description: Code specifying the unloading terminal elevator at grain exporting terminals				
		CSX Note 1: Code Source is Canadian Grain Commission 435.				
GA08	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
GA09	1470	Number	O	NO	1/9	Used
		Description: A generic number				
GA10	1276	Machine Separable Indicator Code	O	ID	2/2	Used
		Description: Canadian Grain Commission grain code identifying the type of grain that must be separated				
		CSX Note 1: Indicator code is the first two digits of the Grain Code.				
GA11	1277	Canadian Wheat Board (CWB) Marketing Class Code	O	ID	1/1	Used
		Description: Code identifying the Canadian Wheat Board market class of the grain All valid standard codes are used.				
GA12	1278	Canadian Wheat Board (CWB) Marketing Class Type Code	O	ID	1/1	Used
		Description: Code identifying Canadian Wheat Board market class type All valid standard codes are used.				
GA13	1073	Yes/No Condition or Response Code	O	ID	1/1	Used
		Description: Code indicating a Yes or No condition or response				
		CSX Note 1: Default value is 'N'.				
		<u>Code</u>		<u>Name</u>		
		N		No		
		Y		Yes		
GA14	310	Location Identifier	X	AN	1/30	Used
		Description: Code which identifies a specific location				
GA15	156	State or Province Code	X	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
GA16	1004	Percent Qualifier	X	ID	1/2	Used
		Description: Code to qualify percent				
		<u>Code</u>		<u>Name</u>		
		SD		Moisture Content		
		SE		Protein Content		
		SF		Percent Dockage		
				Description: Percentage of Grain Filler		
		SG		Test Weight		
				Description: Test Weight of Grain		
GA17	954	Percent	X	R	1/10	Used
		Description: Percentage expressed as a decimal				

Syntax Rules:

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

Semantics:

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

Comments:

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

Loop Reference Identification

Pos: 177	Repeat: 99
	Optional
Loop: REF	Elements: N/A

Loop Path: N7

User Option (Usage): Used

Purpose: To specify identifying information

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>
177	REF	Reference Identification	O	1		Used
060	N9	Reference Identification	M	30		Must use
178	N10	Quantity and Description	O	15		Used
179		Loop N1	O		5	Used

REF Reference Identification

Pos: 177	Max: 1
Heading - Optional	
Loop: REF	Elements: 2

Loop Path: N7-REF
User Option (Usage): Used
Purpose: To specify identifying 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>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

<u>Code</u>	<u>Name</u>
94	File Identification Number Description: Used to identify a commodity group for transferred multiple bills of lading within one piece of equipment. If used N10 loop is required.
OB	Ocean Bill of Lading CSX Note 1: If used, N10 loop is required
PN	Permit Number
XC	Cargo Control Number
XP	Previous Cargo Control Number
COT	Certificate of Transportation
CUB	U.S. Customs Service (USCS) Bill of Lading Number Description: Used for the US Customs Unique Bill of Lading Number

REF02	127	Reference Identification	X	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

Syntax Rules:

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

Semantics:

1. REF04 is composite data element C040, but is represented by data element 128, which is the first element within the composite.

N9 Reference Identification

Pos: 060	Max: 30
Heading - Mandatory	
Loop: REF	Elements: 5

Loop Path: N7-REF

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

CSX Note 1: The Bill of Lading/Shipment Number, code value of 'BL', 'BM', 'BN', 'CO', 'CR', 'OB', 'SI' or 'WY' must be included in each transaction

Code	Name
XC	Cargo Control Number
XP	Previous Cargo Control Number

N902	127	Reference Identification	X	AN	1/15	Used
------	-----	--------------------------	---	----	------	------

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

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

Syntax Rules:

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

Semantics:

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

CSX Note 1:

Coal Shipment Information: When shipment information is transmitted for coal shipments, two additional N9 segments may be necessary. Exact use and N902 values will depend on what the shipper and origin carrier agree are required data. If utilized the first occurrence of the N9 should be transmitted with the following information: N901 contains code 'ZE' and N902 will contain the agreed 'Authority' for the shipment. The second occurrence of the N9 will contain the N901 code value 'CX' and the N902 will contain the consignment classification number. This is the consignment number or classification code used by the originating rail carrier and must not be more than 8 characters. Contact origin carrier representatives for exact use and values.

CSX Note 2:

The Bill of Lading/Shipment number, code value of BL, BM, BN, CO, CR, OB, SI and WY must be included in each transaction.

CSX Note 3:

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 4:

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.

N10 Quantity and Description

Pos: 178	Max: 15
Heading - Optional	
Loop: REF	Elements: 13

Loop Path: N7-REF

User Option (Usage): Used

Purpose: To indicate line item quantity, description, marks and numbers, commodity code, weight, and customs value

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>
N1001	380	Quantity	O	R	1/15	Used
Description: Numeric value of quantity CSX Note 1: Required for each new Harmonized Code						
N1002	369	Free-form Description	O	AN	1/45	Used
Description: Free-form descriptive text CSX Note 1: Used for commodity description						
N1003	87	Marks and Numbers	O	AN	1/48	Used
Description: Marks and numbers used to identify a shipment or parts of a shipment						
N1004	23	Commodity Code Qualifier	X	ID	1/1	Used
Description: Code identifying the commodity coding system used for Commodity Code						
		<u>Code</u>	<u>Name</u>			
		J	Harmonized System-Based Schedule B			
Description: Classification of exported merchandise CSX Note 1: Rail will use the six-digit Harmonized code						
N1005	22	Commodity Code	X	AN	1/30	Used
Description: Code describing a commodity or group of commodities CSX Note 1: Mandatory if M1201 is 62 or 63 for export						
N1006	602	Customs Shipment Value	X	AN	2/8	Used
Description: Customs value in whole dollars CSX Note 1: Mandatory if M1201 is 62 or 63 for export						
N1007	188	Weight Unit Code	X	ID	1/1	Used
Description: Code specifying the weight unit						
		<u>Code</u>	<u>Name</u>			
		K	Kilograms			
		L	Pounds			
N1008	81	Weight	X	R	1/10	Used
Description: Numeric value of weight CSX Note 1: Mandatory if M1201 is 62 or 63 for export						
N1009	127	Reference Identification	O	AN	1/30	Used
Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier CSX Note 1: Used for Customs C4 number for Line Release						
N1010	599	Manifest Unit Code	O	ID	1/3	Used
Description: Code defining the smallest package unit for the bill of lading CSX Note 1: Value represents the smallest exterior package type. All valid standard codes are used.						

N1011	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
N1012	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
N1013	100	Currency Code	X	ID	3/3	Used
		Description: Code (Standard ISO) for country in whose currency the charges are specified				
		CSX Note 1: <i>US Dollars only</i>				

Syntax Rules:

1. P0405 - If either N1004 or N1005 is present, then the other is required.
2. P0613 - If either N1006 or N1013 is present, then the other is required.
3. P0708 - If either N1007 or N1008 is present, then the other is required.

Semantics:

1. N1009 is the U.S. Customs bar code number for line release.
2. N1011 is the country of the manufacturer of the goods.
3. N1012 is the country of the final destination of the goods.
4. N1013 is the currency of the value of N1006.

Loop Name

Pos: 179	Repeat: 5
Optional	
Loop: N1	Elements: N/A

Loop Path: N7-REF

User Option (Usage): Used

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>
179	N1	Name	O	1		Used
180	N3	Address Information	O	1		Used
182	N4	Geographic Location	O	1		Used

N1

Name

Pos: 179	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

Loop Path: N7-REF-N1

User Option (Usage): Used

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

Element Summary:

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

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

Code	Name	Description
BN	Beneficial Owner	Description: The party on whose behalf the shipment is being handled by the third party. Considered to be the legal owner of the goods in the shipment and is primarily used in intermodal shipments tendered and consigned by agents or brokers.
C1	In Care Of Party no. 1	Description: The party who is to physically receive the shipment at destination. This party will take delivery of the shipment and may be responsible for destination demurrage charges associated with the shipment.
CD	Consignee (To Receive Mail and Small Parcels)	Description: Rail Consigned to Party, this is the party specified on a Straight Bill of Lading as the 'Consigned to Party' and is the lawful owner or safe keeper of the shipment. This party will provide written orders to the delivering carrier for surrender of the shipment to the 'Advise Party' as defined in the Uniform Freight Classification 6000-1 tariff from the National Railroad Freight Committee.
CN	Consignee	Description: The party who is to receive the goods in the shipment at the destination and is presumed to be the owner or lawfully entitled to the possession of the goods. The physical point of delivery unless an 'IN CARE OF' party is specified. Responsible for freight charges on a collect shipment unless a 'PARTY TO RECEIVE FREIGHT BILL' is specified.
IM	Importer	Description: Used for reporting the importer and importer number.
N1	Notify Party no. 1	Description: If used, then the PER segment will be used to pass communication numbers ie: phone, fax or data. The party to be notified of a shipment's arrival at destination.
N2	Notify Party no. 2	Description: If used, then the PER segment will be used to pass communication numbers ie: phone, fax or data.
OO	Order Of (Shippers Orders) - (Transportation)	Description: The party to act as the consignee until such time the original 'SHIPPER'S ORDER BILL OF LADING' is surrendered to the delivering carrier. If used, there must be an occurrence of N101 equal to NP.
SF	Ship From	Description: The party at the actual origin location, physically originating a shipment. In Rail Transportation this party is a non-rail origin, generally used in intermodal shipments to relay the party name and address prior to the rail origin.
SH	Shipper	Description: The party who is shipping the goods and the party considered to be the owner of the goods. The physical location of the shipment unless the 'PARTY AT PICK-UP LOCATION', or the 'SHIP FROM' party is specified.

UC	Ultimate Consignee
	Description: <i>The ultimate receiver of the shipment. In Rail Transportation this party is a non-rail destination, generally used in intermodal shipments to relay the party name and address beyond the rail destination.</i>
XQ	Canadian Customs Broker
XR	Mexican Customs Broker
XU	United States Customs Broker
SNP	US Customs & Border Protection Second Notify Party

N102	93	Name	X	AN	1/30	Used
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Description: Free-form name

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)

<u>Code</u>	<u>Name</u>
2	Standard Carrier Alpha Code (SCAC) Description: <i>Only used if N101 equals 'SNP'</i>
C5	Customer Identification File
FI	Federal Taxpayer's Identification Number

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 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 2: *When N103 equals '2', this field must contain the U.S. Customs Carrier SCAC or FIRMS code.*

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N3 Address Information

Pos: 180	Max: 1
Heading - Optional	
Loop: N1	Elements: 2

Loop Path: N7-REF-N1

User Option (Usage): Used

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				
N302	166	Address Information	O	AN	1/30	Used
		Description: Address information				

N4 Geographic Location

Pos: 182	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

Loop Path: N7-REF-N1

User Option (Usage): Used

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	2/30	Used
Description: Free-form text for city name						
N402	156	State or Province Code	O	ID	2/2	Used
Description: Code (Standard State/Province) as defined by appropriate government agency						
N403	116	Postal Code	O	ID	3/15	Used
Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)						
N404	26	Country Code	O	ID	2/3	Used
Description: Code identifying the country						

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

F9 Origin Station

Pos: 190	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 3

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
Description: Code (Standard State/Province) as defined by appropriate government agency						
F905	573	Freight Station Accounting Code	O	ID	1/5	Used
Description: Code (Freight Station Accounting) (AAR Managed Code for Locations) CSX Note 1: This is the FSAC of the Origin Junction Settlement Carrier's Origin Station. The Origin Junction Settlement Carrier will be the R201 of the R202 'JO' preceding the originating interline carrier (R202 of A, S or R).						

Semantics:

1. F902 is the origin station for movement.
2. F904 is the country code for the city named in the F902.
3. F905 is the freight station accounting code of the origin junction settlement carrier.
4. F908 is the Standard Point Location Code (SPLC) for the city named in the F902.
5. F909 is the postal code for the city named in the F902.
6. F910 is the Standard Point Location Code (SPLC) for the city named in the F906.
7. F911 is the postal code for the city named in the F906.
8. F912 is the country code for the city named in the F906.

Comments:

1. F905 is the freight station accounting code of the city named in F906.

D9

Destination Station

Pos: 200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 3

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

Semantics:

1. D902 is the destination station of movement.
2. D904 is the country code for the city named in the D902.
3. D905 is the freight station accounting code of the destination junction settlement carrier.
4. D908 is the Standard Point Location Code (SPLC) for the city named in the D902.
5. D909 is the postal code for the city names in the D902.
6. D910 is the Standard Point Location Code (SPLC) for the city named in the D906.
7. D911 is the postal code for the city named in the D906.
8. D912 is the country code for the city named in the D906.

Comments:

1. D905 is the freight station accounting code of the city name in D906.

Loop Name

Pos: 210	Repeat: 10
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>
210	N1	Name	M	1		Must use
215	N2	Additional Name Information	O	2		Used
220	N3	Address Information	O	2		Used
230	N4	Geographic Location	O	1		Used
240	PER	Administrative Communications Contact	O	2		Used

N1

Name

Pos: 210	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

Loop Path: N1

User Option (Usage): Must use

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

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>
N101	98	Entity Identifier Code	M	ID	2/3	Must use

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

<u>Code</u>	<u>Name</u>
11	Party to be billed(AAR Accounting Rule 11) Description: <i>The party and mailing address where the freight bill for each individual carrier's freight charges will be sent. This party has no direct relationship to prepaid or collect status of the shipment.</i>
9K	Key Person
9L	Incorporated By
AD	Party to be advised (Written orders) Description: <i>Party specified on a Straight Bill of Lading as the 'Advise Party' and will be the actual receiver and the lawful owner of the shipment ONLY WHEN the 'Consigned to Party' surrenders the written orders to the delivering carrier. The written orders will allow the delivering carrier to surrender the shipment to the 'Advise Party' as defined in the Uniform Freight Classification 6000-1 tariff from the National Railroad Freight Committee.</i>
AG	Agent/Agency
AO	Account Of
AP	Account of (Origin Party) Description: <i>The party on whose behalf the shipment is tendered to the carrier by the named shipper. This party is considered to be the shipper of record.</i>
AQ	Account of (Destination Party) Description: <i>The party who is the lawful owner of the shipment on whose behalf the shipment is being received by the named consignee.</i>
BN	Beneficial Owner Description: <i>The party on whose behalf the shipment is being handled by the third party. Considered to be the legal owner of the goods in the shipment and is primarily used in intermodal shipments tendered and consigned by agents or brokers.</i>
BT	Bill-to-Party Description: <i>Party who is to be billed for non-freight assessorial charges. Code value PF should be used to specify party to receive freight charges.</i>
C1	In Care Of Party no. 1 Description: <i>The party who is to physically receive the shipment at destination. This party will take delivery of the shipment and may be responsible for destination demurrage charges associated with the shipment.</i>
C2	In Care Of Party no. 2
CB	Customs Broker
CD	Consignee (To Receive Mail and Small Parcels) Description: <i>Rail Consigned to Party, this is the party specified on a Straight Bill of Lading as the 'Consigned to Party' and is the lawful owner or safe keeper of the shipment. This party will provide written orders to the delivering carrier for surrender of the shipment to the 'Advise Party' as defined in the Uniform Freight Classification 6000-1 tariff from the National Railroad Freight Committee.</i>
CH	Chassis Provider
CM	Customs
CN	Consignee

	Description: <i>The party who is to receive the goods in the shipment at the destination and is presumed to be the owner or lawfully entitled to the possession of the goods. The physical point of delivery unless an 'IN CARE OF' party is specified. Responsible for freight charges on a collect shipment unless a 'PARTY TO RECEIVE FREIGHT BILL' is specified.</i>
CV	Converter Description: <i>Used for Safe Container Act compliance</i>
DM	Destination Mail Facility Description: <i>Used for US Postal Service only</i>
DR	Destination Drayman
DT	Destination Terminal
FW	Forwarder Description: <i>Notify Party at the border for shipments to Mexico.</i>
IM	Importer Description: <i>Used for reporting the importer and importer number.</i>
MC	Motor Carrier
N1	Notify Party no. 1 Description: <i>If used, then the PER segment will be used to pass communication numbers ie: phone, fax or data. The party to be notified of a shipment's arrival at destination.</i>
NC	Cross-Town Switch Description: <i>Used for Rail Switch</i>
NP	Notify Party for Shipper's Order Description: <i>If used, then the PER segment will be used to pass communication numbers ie: phone, fax or data. The party at the destination who is the owner of the shipment only when the original 'SHIPPER'S ORDER BILL OF LADING' is surrendered to obtain delivery of the shipment. If used, there must be an occurrence of N101 equal to OO.</i>
OL	Officer
OM	Origin Mail Facility Description: <i>Used for US Postal Service only</i>
OO	Order Of (Shippers Orders) - (Transportation) Description: <i>The party to act as the consignee until such time the original 'SHIPPER'S ORDER BILL OF LADING' is surrendered to the delivering carrier. If used, there must be an occurrence of N101 equal to NP.</i>
OR	Origin Drayman
PF	Party to Receive Freight Bill Description: <i>The party and mailing address where the freight bill for transportation charges will be mailed. This party has no direct relationship to prepaid or collect status of the shipment.</i>
PU	Party at Pick-up Location Description: <i>The party at the physical location where the shipment is to be picked up.</i>
PV	Party performing certification
R1	Party to Receive Scale Ticket Description: <i>Party receiving document containing weight information from scale</i>
RF	Refinery
SF	Ship From Description: <i>The party at the actual origin location, physically originating a shipment. In Rail Transportation this party is a non-rail origin, generally used in intermodal shipments to relay the party name and address prior to the rail origin.</i>
SH	Shipper Description: <i>The party who is shipping the goods and the party considered to be the owner of the goods. The physical location of the shipment unless the 'PARTY AT PICK-UP LOCATION', or the 'SHIP FROM' party is specified.</i>
UC	Ultimate Consignee Description: <i>The ultimate receiver of the shipment. In Rail Transportation this party is a non-rail destination, generally used in intermodal shipments to relay the party name and address</i>

beyond the rail destination.
 XQ Canadian Customs Broker
 XR Mexican Customs Broker
 XU United States Customs Broker
 ZS Monitoring Party

Description: Party to oversee and track the status of a requirement

CSX Note 1:

Used to pass Party authorized to track status of shipment.

ZZ Mutually Defined

N102 93 **Name** X AN 1/30 Used

Description: Free-form name

CSX Note 1: Limited to 35 for this occurrence of Name (DE93) to support CIF

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

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

Code

Name

2 Standard Carrier Alpha Code (SCAC)

Description: Only used when N101 equals 'SNP'.

17 Automated Broker Interface (ABI) Routing Code

Description: Only used to report Customs ABI Routing Code if N101 equals 'CB' or 'XU'.

AI Automotive Identifier for Canada Customs

Description: Only used if N101 equals 'IM'

BN Canada Customs & Revenue Agency (CCRA) Business Number

Description: Only used to indicate Non-Customs Self Assessment (CSA) Participant Identifier for Canada Customs if N101 equals 'IM'

C5 Customer Identification File

FI Federal Taxpayer's Identification Number

Description: Only used to report the importer number to U.S. Customs if N101 equals 'IM'

M5 Jurisdiction Code

Description: Only used to indicate Customs Self Assessment (CSA) Participant Identifier for Canada Customs if N101 equal 'IM'.

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

Description: Code identifying a party or other code

CSX Note 1: When N103 equals 'M5' or 'BN' this field must contain the Canada Customs and Revenue Agency Business Number for the importer of the goods for Canada Customs.

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

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

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N2

Additional Name Information

Pos: 215	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

Loop Path: N1

User Option (Usage): Used

Purpose: To specify additional names or those longer than 35 characters in length

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>
N201	93	Name	M	AN	1/30	Must use

Description: Free-form name

CSX Note 1: Limited to one iteration of the N2, the second iteration of the N2 will not be supported but saved and passed.

N202	93	Name	O	AN	1/30	Used
------	----	------	---	----	------	------

Description: Free-form name

CSX Note 1: Will not be supported but saved and passed in the first and second iterations of the N2 segment.

CSX Note 1:

Do not use for name of Care of Party unless N101 is 'C1'

N3 Address Information

Pos: 220	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

Loop Path: N1

User Option (Usage): Used

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				
N302	166	Address Information	O	AN	1/30	Used
		Description: Address information				

N4 Geographic Location

Pos: 230	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

Loop Path: N1

User Option (Usage): Used

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	M	AN	2/30	Used
<p>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.</p>						
N402	156	State or Province Code	M	ID	2/2	Used
<p>Description: Code (Standard State/Province) as defined by appropriate government agency</p>						
N403	116	Postal Code	O	ID	3/15	Used
<p>Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)</p>						
N404	26	Country Code	O	ID	2/3	Used
<p>Description: Code identifying the country CSX Note 1: US, CA, MX CSX Note 2: If N101 equals 'SF' or 'UC', may use ISO 3166 code if not US, CA or MX</p>						

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.
2. C0704 - If N407 is present, then N404 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

PER

Administrative Communications Contact

Pos: 240	Max: 2
Heading - Optional	
Loop: N1	Elements: 4

Loop Path: N1

User Option (Usage): Used

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

Element Summary:

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

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

Code	Name
AD	Accounting Department
AS	Authorized Signature
BC	Broker Contact
DC	Delivery Contact
EC	Emergency Contact-Shipper
FC	Forwarder Contact
Description: Used to specify name of party who mailed customs papers	
IC	Information Contact
NT	Notification Contact
SH	Shipper Contact

PER03	365	Communication Number Qualifier	X	ID	2/2	Used
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Description: Code identifying the type of communication number

Code	Name
EM	Electronic Mail
FX	Facsimile
TE	Telephone

PER04	364	Communication Number	X	AN	1/20	Used
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Description: Complete communications number including country or area code when applicable

CSX Note 1: Contains primary contact number

Syntax Rules:

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

R2 Route Information

Pos: 460	Max: 13
Heading - Mandatory	
Loop: N/A	Elements: 3

User Option (Usage): Used

Purpose: To specify carrier and routing sequences and details

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>
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
------	-----	------------------------------	---	----	-----	----------

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

<u>Code</u>	<u>Name</u>
1	1st Carrier after Origin Carrier Description: Linehaul Carrier
2	2nd Carrier after Origin Carrier Description: Linehaul Carrier
3	3rd Carrier after Origin Carrier Description: Linehaul Carrier
4	4th Carrier after Origin Carrier Description: Linehaul Carrier
5	5th Carrier after Origin Carrier Description: Linehaul Carrier
6	6th Carrier after Origin Carrier Description: Linehaul Carrier
7	7th Carrier after Origin Carrier Description: Linehaul Carrier
8	8th Carrier after Origin Carrier Description: Linehaul Carrier
9	9th Carrier after Origin Carrier Description: Linehaul Carrier
A	Origin Carrier, Agent's Routing (Rail) Description: Linehaul Carrier
D	DELY (Delivery Switch Carrier)

CSX Note 1:

Delivery switch bills should be in a 417 Waybill format. For a destination switch (BX07 = G or X), the D901, D902 and D903 should contain the destination station of the last line haul carrier. The FSAC (if available) for the D901 should be that of the last line haul carrier shown in the R2 segments. The destination switch carrier(s) will be indicated by an R2 segment(s) carrying the appropriate R202 code of "D" that will follow the R2 segment(s) showing the line haul carrier(s). The N1 loop specifying the consignee or care of party must contain an N4 segment indicating the physical destination of the shipment.

I Origin Switch Carrier

CSX Note 1:

For shipments involving an origin switch (BX07 = G or X), the F9, D9, and R2 segments within the 404 should be transmitted per the following guidelines. The F901, F902 and F903 should contain the origin of the shipment. The D901, D902 and D903 should contain the destination of the shipment. The origin switch carrier(s) will be indicated by an R2 segment(s) carrying the R202 code of "I" that will precede the R2 segment(s) showing the line haul carrier(s).

CSX Note 2:

The N1 consignee segment should reflect "AGENT SCAC". SCAC would indicate reporting mark of road furnishing origin switch bill.

R Origin Carrier, Rule 11 Shipment

Description: *If any part of the shipment is Rule 11 this code must be used. The use of the BL segment is recommended to identify the individual billing segments within the movement.*

S *Linehaul Carrier*
Origin Carrier, Shipper's Routing (Rail)

V **Description:** *Linehaul Carrier*
Intermediate Switch Carrier

CSX Note 1:

Intermediate switch carriers will be indicated in the R202 with a code of V and their SCAC will be shown in R201. Should there be additional intermediate switch carriers at the junction (R203), up to two additional SCACs can be shown in the R207 and R208. SCACs shown in the R201, R207, and R208 should be shown in the sequence as they occur in the route. Not all line haul carriers support this functionality and should be contacted for individual procedures for intermediate switch moves.

JD Junction Settlement Carrier Following (Destination carrier receiving revenues resulting from junction contract)

Description: *If used D905, D906 and D907 must be present.*

JO Junction Settlement Carrier Predecessor (Origin carrier receiving revenues resulting from junction contract)

Description: *If used F905, F906 and F907 must be present.*

R203	19	City Name	O	AN	2/5	Used
------	----	------------------	---	----	-----	------

Description: Free-form text for city name

CSX Note 1: *Contains Rule 260 Abbreviation only*

Syntax Rules:

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

Semantics:

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

Loop Empty Car Disposition - Pended Destination Consignee

Pos: 490	Repeat: 2
Loop: E1	Optional Elements: N/A

User Option (Usage): Used

Purpose: To identify the party receiving the empty car

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>
490	E1	Empty Car Disposition - Pended Destination Consignee	O	1		Used
500	E4	Empty Car Disposition - Pended Destination City	O	1		Used
510	E5	Empty Car Disposition - Pended Destination Route	O	13		Used

Comments:

- 'E' segments outside the N7 equipment loop pertain to all equipment with the exception of equipment which has associated 'E' segments
- within the N7 loop, including single equipment billing.

E1

Empty Car Disposition - Pended Destination Consignee

Pos: 490	Max: 1
Heading - Optional	
Loop: E1	Elements: 4

Loop Path: E1

User Option (Usage): Used

Purpose: To identify the party receiving the empty car

Element Summary:

Syntax Rules:

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

E4

Empty Car Disposition - Pended Destination City

Pos: 500	Max: 1
Heading - Optional	
Loop: E1	Elements: 4

Loop Path: E1

User Option (Usage): Used

Purpose: To specify the geographic place of named party receiving the empty car

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>
E401	19	City Name	M	AN	2/30	Must use
<p>Description: Free-form text for city name</p> <p>CSX Note 1: Limited to the Rail 19 character station name as defined in the AAR Centralized Station Master</p>						
E402	156	State or Province Code	M	ID	2/2	Must use
<p>Description: Code (Standard State/Province) as defined by appropriate government agency</p>						
E403	116	Postal Code	O	ID	3/15	Used
<p>Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)</p>						

E5

Empty Car Disposition - Pended Destination Route

Pos: 510	Max: 13
Heading - Optional	
Loop: E1	Elements: 4

Loop Path: E1

User Option (Usage): Used

Purpose: To specify the routing of the empty car

Element Summary:

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

Description: Standard Carrier Alpha Code

E502	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: E502 values must be transmitted in the order in which they will occur in the transportation process.

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

E503	19	City Name	O	AN	2/30	Used
------	----	-----------	---	----	------	------

Description: Free-form text for city name

CSX Note 1: Should use the Rule 260 Junction abbreviation.

E504	154	Standard Point Location Code	O	ID	6/9	Used
------	-----	------------------------------	---	----	-----	------

Description: Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city

H3 Special Handling Instructions

Pos: 520	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

CSX Note 1: Rail industry supports only valid special handling codes identified in data element 152. Free form messages cannot be interpreted by computer and must not be sent.

<u>Code</u>	<u>Name</u>
AB	Car is Air Brake Controlled
AK	Attachment - Auto Keys
AT	Attachment to Move with Car
AV	Annual Volume
BL	Blowable Load
BN	If Bad Ordered Notify Shipper
BW	Bill Shipper for Weigh Charge
CD	Attachment - Customer's Document
CE	Cleared for Export
CI	Customs Inspection
CO	No Marshalling Required for Hazardous Materials
CW	Bill Consignee for Weigh Charges
CY	Certification that this Shipment is for Recycling as Defined in Applicable Tariffs Containing Such Provisions
DN	Shipper Authorization Required for Diversion or Consignment
DT	Dead in Tow
DU	Do Not Uncouple
ED	Excessive Dimensions Description: Equipment exceeds operating restrictions but is not considered high/wide in interline movement
EP	Expedite
EW	Excessive Weight
FA	Face "A-end" to Head of Train
FB	Face "B-end" to Head of Train
FC	Moving Under "For Furtherance Instructions" and May Be Delivered
GA	Goods Astray Description: Goods that have crossed a border erroneously and are being transported back
GI	Grain Inspection
HE	Head End Car
HP	Heated Prior to Loading
HR	Home for Repair
HV	High Value Load
HW	High Wide Load
ID	Shipment to be Inspected at Destination and Disposition Instructions will be Furnished
IP	Import Shipment
IS	Surveillance Service
LB	Land Bridge (Import/Export)
LC	Car Trip Leased to Consignee
LD	Loading Devices
MC	Person in Charge of Car

MF	Cleared for Border Crossing
NC	Notify Consignee Before Delivery
ND	Do Not Divert
NH	Do Not Hump
NI	New Equipment First Transborder Movement
NP	Do Not Pool
NT	Do Not Transfer Contents
NX	Not for Export
OS	Commodity Loaded Less Than or Equal To the Car Ordered
PB	Perishable in Box Car
RS	Inspect Hourly if Car Stopped
RT	Record for Transit
SC	Shove to Rest and Cover
SH	Shiftable Load
SK	Requires Shelf Couplers
SR	Speed Restricted
ST	Stack Train
TA	Cars Temporarily Articulated
TN	Turn Car
TS	Transit Shipment
TT	Team Track Delivery
UB	Unload at Bumper (Circus Ramp)
UL	Unload from Left Side of Car Description: <i>Left side of car determined by facing the "B" (brake) end of car</i>
UN	Unload as Placarded
UP	Unprotected Perishable
UR	Unload from Right Side of Car Description: <i>Right side of car determined by facing the "B" (brake) end of car</i>
US	Shipper Certifies Gross Weight under 240,000 pounds
VN	Verification Weigh
WD	Waived Inspection - Set Direct
WE	Weigh Empty
WH	Attachments - High Wide Notice
WI	Waive Inspection
WO	Weigh to Check for Overload
XP	Export
XT	Cross Town
AAS	Attendants Accompanying Description: <i>Rail service for government or contractor personnel accompanying freight shipments on freight trains</i>
AGS	Armed Guard Service
AMM	A.M. Delivery Requirement
ANC	Anchoring and Unanchoring Description: <i>The additional service charge or order for a transportation carrier to perform unanchoring services on a mobile home at one location and anchoring services at another location after transportation has been performed</i>
BCP	Bypass Consolidation Point
BLK	Blocking and Bracing
BNS	Bolster Load, Do Not Switch
CCS	Carrier Caboose Description: <i>Service for carrier-furnished caboose</i>
CGC	Carrier Guard Car Service Description: <i>Rail service for each carrier guard car used by attendants accompanying freight shipments</i>
CGR	Return Carrier Guard Car Service Description: <i>Rail service when an unoccupied guard car is returned to a location other than the original shipping point</i>
CSP	Government Caboose

	Description: <i>Service for carrier-furnished caboose for use by government personnel</i>
DLR	Notify Shipper Immediately if Shipment is Delayed en Route
DNC	Do Not Couple to Other Diaphragmed Cars
DNT	Do Not Couple to Tank Cars
DSK	Do Not Couple to Double Shelf Couples
EXQ	Expedited Service
	Description: <i>Motor service for the immediate dispatch of equipment in continuous line-haul service to meet delivery schedules</i>
GSS	Greater Security Service
HBR	Hand Brakes at Each End Must Be Released
IMP	Impactographs
	Description: <i>Motor service when impactographs are provided at the request of the shipper or consignee</i>
INT	Intra-Plant Move
	Description: <i>Carrier requested to provide equipment and labor for intra-plant work</i>
JIT	Just-In-Time (JIT)
KMD	Keep Material Dry
MTE	Military Traffic Expediting Service
NHC	Do not Hump or Hump into
NHL	Do Not Use Helper Locomotive to Push
NPR	No Placards Required
RCC	Reconsignment
	Description: <i>Change in destination, route, etc., that requires a change in billing or an additional movement of the shipment</i>
RDR	Roadrailer Service
RIS	Rail Inspection Service
RMS	Rail Surveillance
	Description: <i>Rail security service performed by rail carriers in the movement of Government unclassified sensitive cargo</i>
RSS	Restricted Speeds
	Description: <i>Service when the unusual nature of the shipment requires the carrier to operate at speeds below its normal limits</i>
SFT	Special Train Movement
	Description: <i>Rail service when a special train is necessary due to excessive dimensions, weight, or safety of the shipment</i>
SLC	Shipper Load and Count
SUA	Spot for Unloading from A End
	Description: <i>Car is to be spotted for unloading of vehicles from the A end of the autorack</i>
SUB	Spot for Unloading from B Brake End
	Description: <i>Car is to be spotted for unloading of vehicles from the "B" (brake) end of the autorack</i>
TMS	Multi-Tank Surveillance Service
	Description: <i>Service for security service performed by railroads applicable when two M1 tanks are loaded on a rail car</i>
TSS	Tank Surveillance Service
ZZZ	Mutually Defined

Syntax Rules:

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

PS Protective Service Instructions

Pos: 530	Max: 5
Heading - Optional	
Loop: N/A	Elements: 10

User Option (Usage): Used

Purpose: To specify mechanical protective service and ventilation instructions

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>
PS01	746	Protective Service Rule Code	M	ID	3/9	Must use
Description: Association of American Railroads (AAR) Protective Service that applies to shipment						
PS02	241	Protective Service Code	M	ID	1/4	Must use
Description: Code specifying perishable protective service- rail carriers only						
		<u>Code</u>	<u>Name</u>			
		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	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			
PS04	408	Temperature	X	R	1/4	Used
Description: Temperature						
CSX Note 1: <i>This is the optimum temperature for the shipment</i>						
PS05	140	Standard Carrier Alpha Code	O	ID	2/4	Used
Description: Standard Carrier Alpha Code						
PS06	573	Freight Station Accounting Code	O	ID	1/5	Used
Description: Code (Freight Station Accounting) (AAR Managed Code for Locations)						
PS07	19	City Name	O	AN	2/30	Used
Description: Free-form text for city name						
CSX Note 1: <i>Limited to the Rail 19 character station name as defined in the AAR Centralized Station Master</i>						
PS08	156	State or Province Code	O	ID	2/2	Used
Description: Code (Standard State/Province) as defined by appropriate government agency						
PS10	745	Pre-Cooled (Rule 710) Code	O	ID	1/1	Used
Description: Code indicating whether or not the shipment was precooled per Association of American Railroads Protective Service Rule 710						
All valid standard codes are used.						

Syntax Rules:

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

Semantics:

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

Comments:

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

Loop Assigned Number

Pos: 540	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>
540	LX	Assigned Number	M	1		Must use
550	L5	Description, Marks and Numbers	M	15		Must use
570		Loop L0	O		25	Used
600	X1	Export License	O	6		Used

LX Assigned Number

Pos: 540	Max: 1
Heading - Mandatory	
Loop: LX	Elements: 1

Loop Path: LX

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	NO	1/6	Must use

Description: Number assigned for differentiation within a transaction set

L5

Description, Marks and Numbers

Pos: 550	Max: 15
Heading - Mandatory	
Loop: LX	Elements: 4

Loop Path: LX

User Option (Usage): Must use

Purpose: To specify the line item in terms of description, quantity, packaging, and marks and numbers

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L501	213	Lading Line Item Number	O	N0	1/3	Used

Description: Sequential line number for a lading item

CSX Note 1: 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 2: Start with 1 and increment by 1 for each new commodity.

L502	79	Lading Description	O	AN	1/50	Used
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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: Detail description required for all loaded and revenue empty transborder moves.

L503	22	Commodity Code	X	AN	1/7	Used
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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	Used
------	----	--------------------------	---	----	-----	------

Description: Code identifying the commodity coding system used for Commodity Code

CSX Note 1: Required on all loaded, revenue and hazardous empty moves. Recommended for all moves.

Code

3

Name

Empty Non-hazardous Last Contained (HMRC) Code

Description: This code should be used for empty movements where the last

- contained commodity is described as a 48/49 series HMRC (L503) but the residue is no longer considered hazardous and the supporting LH segments are not required.*
- L Last Contained Contents STCC
Description: *Used for hazardous shipments when BX07 equals 'W'. Pass the rated revenue STCC in the L509 with a value of 'T' in the L508.*
- T Standard Transportation Commodity Code (STCC)
Description: *For non-hazardous shipments, must be used when BX07 equals 'W'*

Syntax Rules:

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

Comments:

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

Loop Line Item - Quantity and Weight

Pos: 570	Repeat: 25
	Optional
Loop: L0	Elements: N/A

Loop Path: LX

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>
570	L0	Line Item - Quantity and Weight	O	1		Used
580	L1	Rate and Charges	O	10		Used
590	PI	Price Authority Identification	O	2		Used

L0

Line Item - Quantity and Weight

Pos: 570	Max: 1
Heading - Optional	
Loop: L0	Elements: 7

Loop Path: LX-L0

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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>																								
L001	213	Lading Line Item Number	M	N0	1/3	Used																								
<p>Description: Sequential line number for a lading item CSX Note 1: Must contain the same lading line number as the L501 for the corresponding commodity.</p>																														
L002	220	Billed/Rated-as Quantity	X	R	1/11	Used																								
<p>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.</p>																														
L003	221	Billed/Rated-as Qualifier	X	ID	2/2	Used																								
<p>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</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>DM</td> <td>Miles</td> </tr> <tr> <td>GL</td> <td>Gallon</td> </tr> <tr> <td>ND</td> <td>Cord</td> </tr> <tr> <td colspan="2">Description: A volume measurement</td> </tr> <tr> <td>NP</td> <td>Piece</td> </tr> <tr> <td>NU</td> <td>Unit</td> </tr> <tr> <td colspan="2">Description: A specific measurement in rating shipments</td> </tr> <tr> <td>NV</td> <td>Vehicle</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	DM	Miles	GL	Gallon	ND	Cord	Description: A volume measurement		NP	Piece	NU	Unit	Description: A specific measurement in rating shipments		NV	Vehicle						
<u>Code</u>	<u>Name</u>																													
DM	Miles																													
GL	Gallon																													
ND	Cord																													
Description: A volume measurement																														
NP	Piece																													
NU	Unit																													
Description: A specific measurement in rating shipments																														
NV	Vehicle																													
L004	81	Weight	X	R	1/10	Used																								
<p>Description: Numeric value of weight</p>																														
L005	187	Weight Qualifier	X	ID	1/2	Used																								
<p>Description: Code defining the type of weight</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>B</td> <td>Billed Weight</td> </tr> <tr> <td>C</td> <td>Actual Net Repeated for Combination</td> </tr> <tr> <td>E</td> <td>Estimated Net Weight</td> </tr> <tr> <td>G</td> <td>Gross Weight</td> </tr> <tr> <td>J</td> <td>Light Weight</td> </tr> <tr> <td>K</td> <td>Clean Out</td> </tr> <tr> <td>M</td> <td>Minimum Weight (for rate)</td> </tr> <tr> <td>N</td> <td>Actual Net Weight</td> </tr> <tr> <td>O</td> <td>Excess Weight Over Maximum</td> </tr> <tr> <td>X</td> <td>Maximum Weight (for Rate)</td> </tr> <tr> <td>A3</td> <td>Shippers Weight</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	B	Billed Weight	C	Actual Net Repeated for Combination	E	Estimated Net Weight	G	Gross Weight	J	Light Weight	K	Clean Out	M	Minimum Weight (for rate)	N	Actual Net Weight	O	Excess Weight Over Maximum	X	Maximum Weight (for Rate)	A3	Shippers Weight
<u>Code</u>	<u>Name</u>																													
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K	Clean Out																													
M	Minimum Weight (for rate)																													
N	Actual Net Weight																													
O	Excess Weight Over Maximum																													
X	Maximum Weight (for Rate)																													
A3	Shippers Weight																													
L008	80	Lading Quantity	X	N0	1/7	Used																								
<p>Description: Number of units (pieces) of the lading commodity CSX Note 1: Required for transborder movements</p>																														
L009	211	Packaging Form Code	X	ID	3/3	Used																								

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.*

All valid standard codes are used.

Syntax Rules:

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

Semantics:

1. L008 is the number of handling units of the line item tendered to the carrier.
2. L013 can only be used if the code in L009 is PLT, SKD, or SLP.
3. L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid.
Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.

Comments:

1. L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.

L1 Rate and Charges

Pos: 580	Max: 10
Heading - Optional	
Loop: L0	Elements: 6

Loop Path: LX-L0

User Option (Usage): Used

Purpose: To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L101	213	Lading Line Item Number	O	N0	1/3	Used
<p>Description: Sequential line number for a lading item CSX Note 1: Should contain the same lading line number as the L501 for the corresponding commodity.</p>						
L102	60	Freight Rate	X	R	1/9	Used
<p>Description: Rate that applies to the specific commodity</p>						
L103	122	Rate/Value Qualifier	X	ID	2/2	Used
<p>Description: Code qualifying how to extend charges or interpret value CSX Note 1: 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.</p>						
		<u>Code</u>	<u>Name</u>			
		CT	Charge or Credit Based on Percentage of Total			
L104	58	Charge	X	N2	1/12	Used
<p>Description: For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified CSX Note 1: If used for special charges, L108 is required.</p>						
L106	117	Prepaid Amount	X	N2	1/9	Used
<p>Description: Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified</p>						
L115	122	Rate/Value Qualifier	X	ID	2/2	Used
<p>Description: Code qualifying how to extend charges or interpret value</p>						
		<u>Code</u>	<u>Name</u>			
		CT	Charge or Credit Based on Percentage of Total			

Syntax Rules:

1. P0203 - If either L102 or L103 is present, then the other is required.
2. R040506 - At least one of L104, L105 or L106 is required.
3. P1415 - If either L114 or L115 is present, then the other is required.
4. P1718 - If either L117 or L118 is present, then the other is required.

Semantics:

1. L119 is the percent used to determine the charge in L104.
2. L120, if used, indicates the currency for all monetary amounts in this L1 segment.
3. L121 is the origin rated as charge amount.

PI Price Authority Identification

Pos: 590	Max: 2
Heading - Optional	
Loop: L0	Elements: 8

Loop Path: LX-L0

User Option (Usage): Used

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

Element Summary:

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

Description: Code qualifying the Reference Identification

Code	Name
CT	Contract Number
PR	Price Quote Number
TS	Tariff Number

PI02	127	Reference Identification	M	AN	1/30	Must use
------	-----	--------------------------	---	----	------	----------

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

CSX Note 1: 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.

CSX Note 3: The number of positions to the right of the decimal must not exceed four.

CSX Note 4: If the contract reference is alpha only, pass '9999999999'. The alpha reference will be passed in PI06.

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

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

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

Description: Identification assigned by issuing carrier

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

Description: Used to identify a type of contract

CSX Note 1: This is the Price Authority Suffix

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

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

CSX Note 1: This is the Price Authority Item Number. This must be numeric value and may contain a decimal.

CSX Note 2: The length of this field shall not exceed 10 characters. The decimal point is counted as a character.

CSX Note 3: The number of positions to the right of the decimal must not exceed four.

Syntax Rules:

1. C1412 - If PI14 is present, then PI12 is required.
2. C1513 - If PI15 is present, then PI13 is required.

Semantics:

1. PI05 is the Price Authority Owner (or Agency) Code.

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

X1

Export License

Pos: 600	Max: 6
Heading - Optional	
Loop: LX	Elements: 16

Loop Path: LX

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	Licensing Agency Code	O	ID	1/1	Used

Description: Code for licensing 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	Export License Number	O	AN	6/12	Used
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Description: Government assigned identification number for exporter

CSX Note 1: Required if BX11 is 14, 24 or 34

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

Description: Code defining whether the shipment completes the terms of the license, or the shipment is only a partial delivery relative to the license terms

All valid standard codes are used.

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

Description: Date expressed as CCYYMMDD

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

Description: 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 Possesions except Virgin Islands
UR	Automated Export System (AES) Unreported Low Value Shipment

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

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

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

Description: Code identifying the country

CSX Note 1: US, CA, MX

CSX Note 2: To be used for Canadian Province of Harvest/Origin when needed for transborder shipments originating in Canada

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

Description: Code identifying commodity number established for international statistical purposes

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

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

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

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

CSX Note 1: Represents a lading quantity that is required by Customs, and is required if different from L008.

CSX Note 2: If used, X103 is required

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

Description: Value of shipment for export, expressed in the standard monetary denomination for the currency specified

CSX Note 1: Required with a default value of \$20 per kilo.

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

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

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

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

Code

Name

1F Train Mile

Description: The first locomotive in a train moving one mile

1H Caboose Mile

Description: One caboose moving one mile

1J Ton Miles

Description: Tons of freight multiplied by the number of times moved; includes non-revenue freight such as material used to maintain trackage and right-of-way

1K Locomotive Mile

Description: One locomotive moving one mile

1L Total Car Count

Description: The sum of cars, locomotives, and cabooses moving over a specified track; the conversion rate for locomotives and cabooses is set by contract

B4 Barrel, Imperial

B5 Billet

BA	Bale
BD	Bundle
BE	Beam
BF	Board Feet
BG	Bag
BI	Bar
	Description: <i>A centimeter-gram-second unit of pressure, equal to one million dynes per square centimeter</i>
BO	Bottle
BR	Barrel
BU	Bushel
	Description: <i>32 dry quarts</i>
BV	Bushel, Dry Imperial
BX	Box
C4	Carload
CA	Case
CC	Cubic Centimeter
CE	Centigrade, Celsius
CF	Cubic Feet
CH	Container
CI	Cubic Inches
CL	Cylinder
CM	Centimeter
CN	Can
CP	Crate
CR	Cubic Meter
CT	Carton
CU	Cup
CX	Coil
CY	Cubic Yard
DF	Dram
DG	Decigram
DJ	Decagram
DL	Deciliter
DR	Drum
DT	Dry Ton
DZ	Dozen
FA	Fahrenheit
FO	Fluid Ounce
FT	Foot
GA	Gallon
GH	Half Gallon
GI	Imperial Gallons
GR	Gram
HA	Hank
	Description: <i>One hundred feet of rope</i>
HG	Hectogram
HJ	Horsepower
HM	Miles Per Hour
IN	Inch
JR	Jar
JU	Jug
KE	Keg
	Description: <i>A unit of weight equal to 100 pounds, used for nails</i>
KG	Kilogram
KT	Kit
LB	Pound

LG	Long Ton Description: 2240 pounds as used in the U.K.
LP	Liquid Pounds
LT	Liter
M5	Microcurie
M8	Mega Pascals
ME	Milligram
ML	Milliliter
MM	Millimeter
MP	Metric Ton
MR	Meter
MS	Square Millimeter
MT	Metric Long Ton
MU	Millicurie
NS	Short Ton Description: Two thousand pounds
NT	Trailer
NW	Newton Description: Represents force in the International Metric System (SI); equal to the force that produces an acceleration of 1 meter per second on a mass of 1 kilogram
OZ	Ounce - Av
PA	Pail
PC	Piece
PK	Package
PL	Pallet/Unit Load
PT	Pint
PV	Half Pint
PX	Pint, Imperial
PY	Peck, Dry U.S.
PZ	Peck, Dry Imperial
QR	Quire
QS	Quart, Dry U.S.
QT	Quart
QU	Quart, Imperial
RL	Roll
RM	Ream
SC	Square Centimeter
SF	Square Foot
SH	Sheet
SI	Square Inch
SJ	Sack
SM	Square Meter
SV	Skid
SW	Skein
SY	Square Yard
TB	Tube
TE	Tote
TK	Tank
TO	Troy Ounce
TX	Troy Pound
TY	Tray
UN	Unit
VI	Vial
WH	Wheel
YD	Yard
ZZ	Mutually Defined

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	U.S. Government License Type	O	AN	1/1	Used
------	------	-------------------------------------	---	----	-----	------

Description: Code to identify the type of government license involved

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

Description: Code identifying a party or other code

Semantics:

1. X104 is the export license expiration date.
2. X116 is the export classification code number (ECCN).
3. X117 specifies the Census Schedule D code for the central location where the Shipper's Export Declaration forms have been filed.

Loop Loop Header

Pos: 670	Repeat: 1
Optional	
Loop: LS	Elements: N/A

User Option (Usage): Used

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>
670	LS	Loop Header	O	1		Used
680		Loop LH1	O		100	Used
760	LE	Loop Trailer	M	1		Used

LS Loop Header

Pos: 670	Max: 1
Heading - Optional	
Loop: LS	Elements: 1

Loop Path: LS

User Option (Usage): Used

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	1/6	Must use

Description: The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE

CSX Note 1: Code identifying a loop within the transaction set which is bounded by the related LS and LE segments (corresponding LS and LE segments must have the same value for loop identifier). (Note: The loop ID number given on the transaction set diagram is recommended as the value for this data element in segments LS and LE.)

Semantics:

- 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:

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

Loop Hazardous Identification Information

Pos: 680	Repeat: 100
Optional	
Loop: LH1	Elements: N/A

Loop Path: LS

User Option (Usage): Used

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>
680	LH1	Hazardous Identification Information	O	1		Used
690	LH2	Hazardous Classification Information	O	4		Used
700	LH3	Hazardous Material Shipping Name	M	10		Used
710	LFH	Freeform Hazardous Material Information	O	20		Used
720	LEP	EPA Required Data	O	3		Used
730	LH4	Canadian Dangerous Requirements	O	1		Used
740	LHT	Transborder Hazardous Requirements	O	3		Used
750	LHR	Hazardous Material Identifying Reference Numbers	O	5		Used
755	PER	Administrative Communications Contact	O	5		Used
7560		Loop N1	O		10	Used

LH1 Hazardous Identification Information

Pos: 680	Max: 1
Heading - Optional	
Loop: LH1	Elements: 11

Loop Path: LS-LH1

User Option (Usage): Used

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'

<u>Code</u>	<u>Name</u>
1F	Train Mile Description: The first locomotive in a train moving one mile
1H	Caboose Mile Description: One caboose moving one mile
1J	Ton Miles Description: Tons of freight multiplied by the number of times moved; includes non-revenue freight such as material used to maintain trackage and right-of-way
1K	Locomotive Mile Description: One locomotive moving one mile
1L	Total Car Count Description: The sum of cars, locomotives, and cabooses moving over a specified track; the conversion rate for locomotives and cabooses is set by contract
B4	Barrel, Imperial
B5	Billet
BA	Bale
BD	Bundle
BE	Beam
BF	Board Feet
BG	Bag
BI	Bar Description: A centimeter-gram-second unit of pressure, equal to one million dynes per square centimeter
BO	Bottle
BR	Barrel
BU	Bushel Description: 32 dry quarts
BV	Bushel, Dry Imperial
BX	Box
C4	Carload
CA	Case
CC	Cubic Centimeter
CE	Centigrade, Celsius
CF	Cubic Feet
CH	Container
CI	Cubic Inches
CL	Cylinder
CM	Centimeter
CN	Can
CP	Crate

CR	Cubic Meter
CT	Carton
CU	Cup
CX	Coil
CY	Cubic Yard
DF	Dram
DG	Decigram
DJ	Decagram
DL	Deciliter
DR	Drum
DT	Dry Ton
DZ	Dozen
FA	Fahrenheit
FO	Fluid Ounce
FT	Foot
GA	Gallon
GH	Half Gallon
GI	Imperial Gallons
GR	Gram
HA	Hank
	Description: <i>One hundred feet of rope</i>
HG	Hectogram
HJ	Horsepower
HM	Miles Per Hour
IN	Inch
JR	Jar
JU	Jug
KE	Keg
	Description: <i>A unit of weight equal to 100 pounds, used for nails</i>
KG	Kilogram
KN	Kilometers
KT	Kit
LB	Pound
LG	Long Ton
	Description: <i>2240 pounds as used in the U.K.</i>
LP	Liquid Pounds
LT	Liter
M5	Microcurie
M8	Mega Pascals
ME	Milligram
ML	Milliliter
MM	Millimeter
MP	Metric Ton
MR	Meter
MS	Square Millimeter
MT	Metric Long Ton
MU	Millicurie
NS	Short Ton
	Description: <i>Two thousand pounds</i>
NT	Trailer
NW	Newton
	Description: <i>Represents force in the International Metric System (SI); equal to the force that produces an acceleration of 1 meter per second on a mass of 1 kilogram</i>
OZ	Ounce - Av
PA	Pail
PC	Piece
PK	Package

PL	Pallet/Unit Load
PT	Pint
PV	Half Pint
PX	Pint, Imperial
PY	Peck, Dry U.S.
PZ	Peck, Dry Imperial
QR	Quire
QS	Quart, Dry U.S.
QT	Quart
QU	Quart, Imperial
RL	Roll
RM	Ream
SC	Square Centimeter
SF	Square Foot
SH	Sheet
SJ	Sack
SM	Square Meter
SV	Skid
SW	Skein
SY	Square Yard
TB	Tube
TE	Tote
TK	Tank
TO	Troy Ounce
TX	Troy Pound
TY	Tray
UN	Unit
VI	Vial
WH	Wheel
YD	Yard
ZZ	Mutually Defined

LH102	80	Lading Quantity	M	NO	1/7	Must use
<p>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.</p>						
LH103	277	UN/NA Identification Code	O	ID	6/6	Used
<p>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</p>						
LH104	200	Hazardous Materials Page	O	AN	1/6	Used
<p>Description: The United Nations page number as required for the international transport of hazardous materials</p>						
LH105	22	Commodity Code	O	AN	1/30	Used
<p>Description: Code describing a commodity or group of commodities CSX Note 1: Must contain a 7-digit numeric Hazardous Materials Response Code (HMRC).</p>						
LH106	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
<p>Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CSX Note 1: Weight and volume qualifier CSX Note 2: For hazardous shipments originating in Canada, LH106 must be in a metric unit of measure to meet Transportation of Dangerous Goods reporting requirements.</p>						

Code	Name
1F	Train Mile Description: <i>The first locomotive in a train moving one mile</i>
1H	Caboose Mile Description: <i>One caboose moving one mile</i>
1J	Ton Miles Description: <i>Tons of freight multiplied by the number of times moved; includes non-revenue freight such as material used to maintain trackage and right-of-way</i>
1K	Locomotive Mile Description: <i>One locomotive moving one mile</i>
1L	Total Car Count Description: <i>The sum of cars, locomotives, and cabooses moving over a specified track; the conversion rate for locomotives and cabooses is set by contract</i>
B4	Barrel, Imperial
B5	Billet
BA	Bale
BD	Bundle
BE	Beam
BF	Board Feet
BG	Bag
BI	Bar Description: <i>A centimeter-gram-second unit of pressure, equal to one million dynes per square centimeter</i>
BO	Bottle
BR	Barrel
BU	Bushel Description: <i>32 dry quarts</i>
BV	Bushel, Dry Imperial
BX	Box
C4	Carload
CA	Case
CC	Cubic Centimeter
CE	Centigrade, Celsius
CF	Cubic Feet
CH	Container
CI	Cubic Inches
CL	Cylinder
CM	Centimeter
CN	Can
CP	Crate
CR	Cubic Meter
CT	Carton
CU	Cup
CX	Coil
CY	Cubic Yard
DF	Dram
DG	Decigram
DJ	Decagram
DL	Deciliter
DR	Drum
DT	Dry Ton
DZ	Dozen
FA	Fahrenheit
FO	Fluid Ounce
FT	Foot
GA	Gallon
GH	Half Gallon

GI	Imperial Gallons
GR	Gram
HA	Hank
	Description: <i>One hundred feet of rope</i>
HG	Hectogram
HJ	Horsepower
HM	Miles Per Hour
IN	Inch
JR	Jar
JU	Jug
KE	Keg
	Description: <i>A unit of weight equal to 100 pounds, used for nails</i>
KG	Kilogram
KN	Kilometers
KT	Kit
LB	Pound
LG	Long Ton
	Description: <i>2240 pounds as used in the U.K.</i>
LP	Liquid Pounds
LT	Liter
M5	Microcurie
M8	Mega Pascals
ME	Milligram
ML	Milliliter
MM	Millimeter
MP	Metric Ton
MR	Meter
MS	Square Millimeter
MT	Metric Long Ton
MU	Millicurie
NS	Short Ton
	Description: <i>Two thousand pounds</i>
NT	Trailer
NW	Newton
	Description: <i>Represents force in the International Metric System (SI); equal to the force that produces an acceleration of 1 meter per second on a mass of 1 kilogram</i>
OZ	Ounce - Av
PA	Pail
PC	Piece
PK	Package
PL	Pallet/Unit Load
PT	Pint
PV	Half Pint
PX	Pint, Imperial
PY	Peck, Dry U.S.
PZ	Peck, Dry Imperial
QR	Quire
QS	Quart, Dry U.S.
QT	Quart
QU	Quart, Imperial
RL	Roll
RM	Ream
SC	Square Centimeter
SF	Square Foot
SH	Sheet
SJ	Sack
SM	Square Meter

SV	Skid
SW	Skein
SY	Square Yard
TB	Tube
TE	Tote
TK	Tank
TO	Troy Ounce
TX	Troy Pound
TY	Tray
UN	Unit
VI	Vial
WH	Wheel
YD	Yard
ZZ	Mutually Defined

LH107 380 **Quantity** O R 1/15 Used

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

LH108 595 **Compartment ID Code** O ID 1/1 Used

Description: Code identifying the compartment in a compartmentalized tank car
All valid standard codes are used.

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

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

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

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

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

LH1 1271 **Industry Code** X AN 1/30 Used

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

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.
4. LH112 is the packaging form code for the non-bulk container passed in the LH101 as defined in 49 CFR 178 and required by 49 CFR 172.
5. This segment contains changes not yet reflected in X12

LH2 Hazardous Classification Information

Pos: 690	Max: 4
Heading - Optional	
Loop: LH1	Elements: 13

Loop Path: LS-LH1

User Option (Usage): Used

Purpose: To specify the hazardous notation and endorsement information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH201	215	Hazardous Classification	O	ID	1/30	Used

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 combustible liquids, pass 'COMBUSTIBLE LIQUID'.*

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

LH205	759	Reportable Quantity Code	O	ID	2/2	Used
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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.*

Code	Name
RQ	Reportable Quantity

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.

LH206	355	Unit or Basis for Measurement Code	X	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

Code	Name
CE	Centigrade, Celsius
FA	Fahrenheit

LH207	408	Temperature	X	R	1/4	Used
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Description: Temperature

CSX Note 1: *Flashpoint temperature*

LH208	355	Unit or Basis for Measurement Code	X	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>
CE	Centigrade, Celsius
FA	Fahrenheit

LH209	408	Temperature	X	R	1/4	Used
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Description: Temperature
CSX Note 1: *Control Temperature*

LH210	355	Unit or Basis for Measurement Code	X	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>
CE	Centigrade, Celsius
FA	Fahrenheit

LH211	408	Temperature	X	R	1/4	Used
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Description: Temperature
CSX Note 1: *Emergency Temperature*

LH212	188	Weight Unit Code	X	ID	1/1	Used
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Description: Code specifying the weight unit
All valid standard codes are used.

LH213	267	Net Explosive Quantity	X	NO	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.

LH3 Hazardous Material Shipping Name

Pos: 700	Max: 10
Heading - Mandatory	
Loop: LH1	Elements: 4

Loop Path: LS-LH1

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH301	224	Hazardous Material Shipping Name	M	AN	1/25	Used

Description: The proper shipping name of the hazardous commodity as specified by the Code of Federal Regulations, Title 49

CSX Note 1: If LH302 is 'I' this field will contain the shipping name defined by the International Maritime Dangerous Goods Code.

LH302	984	Hazardous Material Shipping Name Qualifier	X	ID	1/1	Used
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Description: Qualifier indicating the source (regulatory) of the proper shipping name
All valid standard codes are used.

LH303	985	N.O.S. Indicator Code	O	ID	3/3	Used
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Description: Code indicating the type of regulatory requirements that apply to a description; N.O.S. stands for Not Otherwise Specified

CSX Note 1: If used, at least one Free Form Hazardous Material Information segment (LFH) with a qualifier of 'TEC' in LFH01 and the technical or chemical group name enclosed in parentheses in LFH02 is required.

All valid standard codes are used.

Syntax Rules:

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

Semantics:

1. If LH304 is "Y", then this is an Association of American Railroads Operations and Transportation Bulletin 55 commodity. If "N", it is not an Association of American Railroads Operations and Transportation Bulletin 55 commodity.

CSX Note 1:

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 Freeform Hazardous Material Information

Pos: 710	Max: 20
Heading - Optional	
Loop: LH1	Elements: 8

Loop Path: LS-LH1

User Option (Usage): Used

Purpose: To uniquely identify the variable information required by government regulation covering the transportation of hazardous material shipments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LFH01	808	Hazardous Material Shipment Information Qualifier	M	ID	3/3	Must use

Description: 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 Description: Used to specify 'OIL' for materials containing oil. Used to pass 'SHEEN ON WATER'. Used to pass 'PROTECTIVE DIRECTION NUMBER'.
D13	"DOT - 113, Do Not Bump or Cut Off Car While in Motion" Declaration
DRC	Damaged Car Number Description: If used, LFH02 contains the Damaged Car Initial and Number
EQP	Conveyed Equipment Identification Description: Used to pass equipment initial and number for containers moving on non-intermodal rail cars.
FUM	Fumigation Declaration Description: Identifies fumigated product on Canadian shipments as required by Transportation of Dangerous Goods reporting requirements.
HOT	Identifies Products in a Heated Molten State Description: If used, pass 'HOT' in LFH02
HZC	Hazardous Substance Constituents Description: If used, LH205 must be 'RQ'
INH	Inhalation Hazard
LQY	"Limited Quantity" Declaration
MOS	Maximum Operating Speed Description: If used, pass the numeric speed in LFH02. The code 'SR' must also appear in the H3 or W6 segment.
MPI	Marine Pollutant
PIH	"Poison - Inhalation Hazard" Declaration Description: If used, LFH04 is mandatory
POI	"Poison" Declaration
RAM	Radioactive Material Data
TEC	Technical or Chemical Group Name Description: Required if LH303 is equal to 'NOS'
TNM	Trade Name
WST	Waste Declaration Description: Used to pass any special instructions from the hazardous waste manifest.

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', 'PHI' or 'POI', pass the appropriate notation here. See Dangerous Goods/Hazardous Materials EDI Mapping section for the appropriate text.

If used to show damaged car, pass equipment initial and number here. The first four positions are the car initials, left-justified and space-filled. The next six positions are the car number, right justified and zero-filled.

If used to show maximum operating speed, this contains the numeric speed followed by MPH (i.e. 15MPH) and a code of 'SR' in the H3 or W6 segments.

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 pass containers moving on non-intermodal rail cars, pass equipment initial and number here.

If used to specify FUM, pass additional data required to meet 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.

If used to identify Trade Name, pass the Trade Name here.

LFH03	809	Hazardous Material Shipment Information	O	AN	1/25	Used
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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

CSX Note 2: If used to identify Protective Direction Number pass the Protective Direction Number here.

LFH04	1023	Hazard Zone Code	O	ID	1/1	Used
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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	Unit or Basis for Measurement Code	X	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
CSX Note 1: Used only when LFH01 equals RAM

<u>Code</u>	<u>Name</u>
1T	Terabecquerel

4N Megabecquerel
Description: Unit of radiation
 G4 Gigabecquerel
Description: Unit of radiation equal to 27 millicuries
 R2 Becquerel
Description: Unit of radiation equal to 3.7 * 10¹⁰ of a curie

LFH06 380 **Quantity** X R 1/15 Used

Description: Numeric value of quantity

CSX Note 1: Activity of radioactive material

CSX Note 2: Used only when LFH01 equals RAM

LFH07 380 **Quantity** O R 1/15 Used

Description: Numeric value of quantity

CSX Note 1: Transport index of radioactive material

CSX Note 2: Used only when LFH01 equals RAM

CSX Note 3: This is a dimensionless value

LFH08 373 **Date** O DT 8/8 Used

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

CSX Note 1: Only used when LFH01 = 'FUM' and is the date fumigation began

Syntax Rules:

1. P0506 - If either LFH05 or LFH06 is present, then the other is required.

Semantics:

1. LFH06 indicates activity of the radioactive material.
2. LFH07 indicates transport index of the radioactive material.
3. LFH08 is the date fumigation began.

LEP EPA Required Data

Pos: 720	Max: 3
Heading - Optional	
Loop: LH1	Elements: 4

Loop Path: LS-LH1

User Option (Usage): Used

Purpose: To specify the Environmental Protection Agency (EPA) information relating to shipments of hazardous material

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>
LEP01	806	EPA Waste Stream Number Code	O	ID	4/6	Used

Description: Waste stream number applicable to the movement of hazardous waste as determined by government regulations

CSX Note 1: *If more than 3 waste stream codes, use LFH segment qualified with ADI.*

Syntax Rules:

1. P0304 - If either LEP03 or LEP04 is present, then the other is required.

Semantics:

1. LEP03 is used to identify the state or province responsible for the hazardous waste number contained in LEP04.
2. LEP04 is the hazardous waste number.

LH4 Canadian Dangerous Requirements

Pos: 730	Max: 1
Heading - Optional	
Loop: LH1	Elements: 12

Loop Path: LS-LH1

User Option (Usage): Used

Purpose: To specify additional Transport Canada requirements covering transportation of dangerous goods in Canada

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>
LH401	238	Emergency Response Plan Number	O	AN	1/12	Used

Description: The identity number of a specific hazardous emergency response plan that is assigned by the Director General of Canada

CSX Note 1: Required if the commodity is listed in Schedule 1, Column 7 of the Canadian TDG regulations.

Format to conform to TDG requirements, currently valid formats are n-nnnn OR n-nnnn-*nnn*.

LH402	364	Communication Number	O	AN	1/80	Used
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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. P0812 - If either LH408 or LH412 is present, then the other is required.
2. P0102 - If either LH401 or LH402 is present, then the other is required.

Semantics:

1. LH411 is an additional telephone number.

Comments:

1. LH402 is used for the emergency response plan telephone number.
2. LH404 is for the first subsidiary classification.
3. LH405 is for the second subsidiary classification.
4. LH406 is for the third subsidiary classification.

LHT Transborder Hazardous Requirements

Pos: 740	Max: 3
Heading - Optional	
Loop: LH1	Elements: 3

Loop Path: LS-LH1

User Option (Usage): Used

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

Element Summary:

<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	1/30	Used

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

LHR Hazardous Material Identifying Reference Numbers

Pos: 750	Max: 5
Heading - Optional	
Loop: LH1	Elements: 3

Loop Path: LS-LH1

User Option (Usage): Used

Purpose: To transmit specific hazardous material reference numbers

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LHR01	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

Code	Name
AH	Agreement Number Description: Used for FRA Approval Number of movement of noncompliant tank cars. The receiver is required to display the approval number with a value of 'FRA-' preceding the number.
HA	Competent Authority Description: The receiver is required to display the Competent Authority Number with a value of 'CA-' preceding the number
HD	Department of Transportation Hazardous Number Description: Used to pass consignor DOT hazardous number to meet reporting requirements for HM-232.
HE	Hazardous Exemption Number Description: The receiver is required to display the Hazardous Exemption Number with a value of 'DOT-E' preceding the number
PN	Permit Number Description: Used for Transport Canada Permit Number. The receiver is required to display the Permit Number with a value of 'ELS PERMIT' preceding the number.
SO	Shipper's Order (Invoice Number) Description: The receiver is required to display the Special Approval Number with a value of 'SA-' preceding the number
MDN	Hazardous Waste Manifest Document Number Description: Used for Manifest Document Number for hazardous waste shipment. The receiver is required to display the Manifest Document Number with a value of 'Manifest Document Number' preceding the number.

If used an N101 of 'HW', 'HX' and 'HZ' are required.

LHR02	127	Reference Identification	M	AN	1/30	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

PER Administrative Communications Contact

Pos: 755	Max: 5
Heading - Optional	
Loop: LH1	Elements: 9

Loop Path: LS-LH1

User Option (Usage): Used

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

Element Summary:

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

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

Code	Name	Description
CN	General Contact	Description: Used to identify Canadian Hazardous Material contact(s) on transborder shipments when the HM contact is not valid for both US and Canada.
HM	Hazardous Material Contact	Description: Used to identify the Hazardous Material Contact if the number is valid for the entire move. If, on transborder shipments, separate numbers are used for US and Canada, this is the US Contact.

PER02	93	Name	O	AN	1/60	Used
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Description: Free-form name

CSX Note 1: 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').

PER03	365	Communication Number Qualifier	X	ID	2/2	Used
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Description: Code identifying the type of communication number

CSX Note 1: This is the only allowable code.

Code	Name	Description
TE	Telephone	CSX Note 1: Voice Only

PER04	364	Communication Number	X	AN	1/21	Used
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Description: Complete communications number including country or area code when applicable

Syntax Rules:

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

Loop Party Identification

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

Loop Path: LS-LH1

User Option (Usage): Used

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		Used
7570	N3	Party Location	O	2		Used
7580	N4	Geographic Location	O	1		Used
7590	PER	Administrative Communications Contact	O	2		Used

N1 Party Identification

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

Loop Path: LS-LH1-N1

User Option (Usage): Used

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

Element Summary:

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

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

Code	Name	Description
CN	Consignee	Description: Used to convey the actual consignee name and complete address information used to satisfy Canadian Transportation of Dangerous Goods Act and Regulations requirements for mixed loads.
CT	Country of Origin	Description: Used to convey the country of origin of the rail movement to determine governing hazardous materials regulation. This code should only be used on haulage waybills or associated 418 consists. If used, N103 must equal '38' and appropriate ISO Code 3166 for Country of Origin is passed in the N104. The N102 is not used.
HW	Designated Hazardous Waste Facility	Description: If used, a LHR segment inside the LH1 loop is required having LHR01 = 'MDN'.
HX	Transporter of Hazardous Waste	Description: If used, a LHR segment inside the LH1 loop is required having LHR01 = 'MDN'.
HZ	Hazardous Waste Generator	Description: If used, a LHR segment inside the LH1 loop is required having LHR01 = 'MDN'.
SH	Shipper	Description: Used to convey the actual shipper name and complete address information used to satisfy Canadian Transportation of Dangerous Goods Act and Regulations requirements for mixed loads.

N102	93	Name	X	AN	1/30	Used
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Description: Free-form name
CSX Note 1: Limited to 30 for Rail Transactions

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

N3 Party Location

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

Loop Path: LS-LH1-N1

User Option (Usage): Used

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 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 for Rail Transactions

N4 Geographic Location

Pos: 7580	Max: 1
Heading - Optional	
Loop: N1	Elements: 3

Loop Path: LS-LH1-N1

User Option (Usage): Used

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	2/30	Used
Description: Free-form text for city name						
N402	156	State or Province Code	X	ID	2/2	Used
Description: Code (Standard State/Province) as defined by appropriate government agency						
N403	116	Postal Code	O	ID	3/15	Used
Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)						

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

PER Administrative Communications Contact

Pos: 7590	Max: 2
Heading - Optional	
Loop: N1	Elements: 4

Loop Path: LS-LH1-N1

User Option (Usage): Used

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
Description: 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	1/30	Used
Description: Free-form name						
PER03	365	Communication Number Qualifier	X	ID	2/2	Used
Description: Code identifying the type of communication number						
CSX Note 1: <i>TE is the only allowable code value</i>						
		<u>Code</u>	<u>Name</u>			
		TE	Telephone			
		Description: <i>Voice Only</i>				
PER04	364	Communication Number	X	AN	1/256	Used
Description: Complete communications number including country or area code when applicable						

Syntax Rules:

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

LE Loop Trailer

Pos: 760	Max: 1
Heading - Mandatory	
Loop: LS	Elements: 1

Loop Path: LS

User Option (Usage): Used

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	1/6	Must use

Description: The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE

Semantics:

- 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.

Comments:

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

PER Administrative Communications Contact

Pos: 770	Max: 5
Heading - Optional	
Loop: N/A	Elements: 4

User Option (Usage): Used

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

Element Summary:

<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
Description: Code identifying the major duty or responsibility of the person or group named						
		<u>Code</u>	<u>Name</u>			
		CN	General Contact Description: Used to identify Canadian Hazardous Material contact(s) on transborder shipments when the HM contact is not valid for both US and Canada.			
		HM	Hazardous Material Contact Description: Used to identify the Hazardous Material Contact if the number is valid for the entire move. If, on transborder shipments, separate numbers are used for US and Canada, this is the US Contact.			
PER02	93	Name	O	AN	1/30	Used
Description: Free-form name						
CSX Note 1: 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').						
PER03	365	Communication Number Qualifier	X	ID	2/2	Used
Description: Code identifying the type of communication number						
CSX Note 1: 'TE' is the only allowable code value						
		<u>Code</u>	<u>Name</u>			
		TE	Telephone Description: Voice Only			
PER04	364	Communication Number	X	AN	1/21	Used
Description: Complete communications number including country or area code when applicable						

Syntax Rules:

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

LHR Hazardous Material Identifying Reference Numbers

Pos: 790	Max: 1
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

Purpose: To transmit specific hazardous material reference 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>
LHR01	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

<u>Code</u>	<u>Name</u>
AH	Agreement Number Description: Used for FRA Approval Number for movement of noncompliant tank cars. The receiver is required to display the approval number with a value of 'FRA-' preceding the number.
HE	Hazardous Exemption Number Description: The receiver is required to display the Hazardous Exemption Number with a value of 'DOT-E' preceding the number
PN	Permit Number Description: Used for Transport Canada Permit Number. The receiver is required to display the Permit Number with a value of 'ELS PERMIT' preceding the number.

LHR02	127	Reference Identification	M	AN	1/30	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

LHR03	373	Date	O	DT	8/8	Used
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Description: Date expressed as CCYYMMDD

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: 800	Max: 1
Heading - Optional	
Loop: N/A	Elements: 4

User Option (Usage): Used

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

Element Summary:

<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	1/30	Used

Description: Free-form name

CSX Note 1: *Must be the name of the person certifying the shipment. A COMPANY NAME IS NOT ACCEPTABLE.*

Syntax Rules:

1. P0203 - If either LH602 or LH603 is present, then the other is required.

XH

Pro Forma - B13 Information

Pos: 810	Max: 1
Heading - Optional	
Loop: N/A	Elements: 7

User Option (Usage): Used

Purpose: This segment is used to specify a pro forma invoice and B13 Canadian Customs Export Declaration information, required by U.S. and Canadian customs

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>								
XH01	100	Currency Code	M	ID	3/3	Must use								
<p>Description: Code (Standard ISO) for country in whose currency the charges are specified CSX Note 1: USD US Dollars CAD Canadian Dollars MXP Mexican Peso</p> <p><i>Qualifies the value in X114</i></p>														
XH02	645	Related Company Indication Code	M	ID	1/1	Used								
<p>Description: Code indicating parties to a transaction All valid standard codes are used.</p>														
XH03	150	Special Charge or Allowance Code	M	ID	3/3	Used								
<p>Description: Code identifying type of special charge or allowance</p> <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>595</td> <td>Proforma Invoice</td> </tr> <tr> <td>FCB</td> <td>Freight Charges to Border</td> </tr> <tr> <td>FCD</td> <td>Freight Charges to Destination</td> </tr> </tbody> </table>							<u>Code</u>	<u>Name</u>	595	Proforma Invoice	FCB	Freight Charges to Border	FCD	Freight Charges to Destination
<u>Code</u>	<u>Name</u>													
595	Proforma Invoice													
FCB	Freight Charges to Border													
FCD	Freight Charges to Destination													
XH04	610	Amount	O	N2	1/15	Used								
<p>Description: Monetary amount CSX Note 1: Required if freight charges are not included in the value of the shipment</p>														
XH05	503	Block 20 Code	O	ID	1/1	Used								
<p>Description: Code defining Block 20 characteristics All valid standard codes are used.</p>														
XH06	504	Chemical Analysis Percentage	O	N2	2/9	Used								
<p>Description: Chemical analysis percentage</p>														
XH07	212	Unit Price	O	R	1/17	Used								
<p>Description: Price per unit of product, service, commodity, etc.</p>														

Semantics:

- XH04 for a line item: is the freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified.
- XH06 will contain percentage of a component of a product which is required by customs to be reported.
- XH07 will contain unit price of the item being shipped.

Comments:

- This segment is to be used for shipments originating in Canada only.

X7

Customs Information

Pos: 820	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To indicate customs 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>
X701	61	Free-Form Message Description: Free-form information	M	AN	1/30	Must use
X702	61	Free-Form Message Description: Free-form information	O	AN	1/30	Used

SE Transaction Set Trailer

Pos: 840	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	NO	1/10	Must use
		Description: 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
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Comments:

1. SE is the last segment of each transaction set.