CSX EDI 410
Freight Details
& Invoice

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410 Rail Carrier Freight Details and Invoice

Functional Group=IR

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Rail Carrier Freight Details and Invoice Transaction Set (410) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide detailed information of charges associated with a rail movement. The information is provided by a rail carrier and is sent to the freight payer.

Not Defined:

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

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	B3B	Beginning Segment for Carrier's Invoice	M	1			Must use
040	N9	Reference Identification	O	30			Used
045	CM	Cargo Manifest	O	2			Used
LOOP ID - N7			-	-	**500**	-	-
050	N7	Equipment Details	M	1			Must use
060	VC	Motor Vehicle Control	O	21			Used
080	M7	Seal Numbers	O	5			Used
120	M12	In-bond Identifying Information	O	1			Used
125	GA	Canadian Grain Information	O	15			Used
130	N8	Waybill Reference	M	499			Must use
140	F9	Origin Station	M	1			Must use
150	D9	Destination Station	M	1			Must use
LOOP ID - N1			-	-	**10**	-	-
160	N1	Name	O	1			Used
165	N2	Additional Name Information	O	2			Used
170	N3	Address Information	O	2			Used
180	N4	Geographic Location	O	1			Used
185	PER	Administrative Communications Contact	O	2			Used
400	R2	Route Information	O	13			Used
420	PS	Protective Service Instructions	O	5			Used
LOOP ID - LX			-	-	**25**	-	-
430	LX	Assigned Number	M	1			Must use
440	L5	Description, Marks and Numbers	M	15			Must use
LOOP ID - L0			-	-	**25**	-	-
460	L0	Line Item - Quantity and Weight	M	1			Must use
470	L1	Rate and Charges	M	10			Must use
480	PI	Price Authority Identification	O	30			Used
540	L3	Total Weight and Charges	M	1			Must use
570	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

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

ISA Interchange Control Header

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

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA01	I01	**Authorization Information Qualifier**	M	ID	2/2	Must use
		Description: Code to identify the type of information in the Authorization Information				
		Code **Name** 00 No Authorization Information Present (No Meaningful Information in I02) 04 Rail Communications ID				
ISA02	I02	**Authorization Information**	M	AN	10/10	Must use
		Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)				
ISA03	I03	**Security Information Qualifier**	M	ID	2/2	Must use
		Description: Code to identify the type of information in the Security Information				
		Code **Name** 00 No Security Information Present (No Meaningful Information in I04)				
ISA04	I04	**Security Information**	M	AN	10/10	Must use
		Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)				
ISA05	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use
		Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified				
		Code **Name** 02 SCAC (Standard Carrier Alpha Code) ZZ Mutually Defined				
ISA06	I06	**Interchange Sender ID**	M	AN	15/15	Must use
		Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element **CSX NOTE 1:** *ID sent will be "CSXINC"*				
ISA07	I05	**Interchange ID Qualifier**	M	ID	2/2	Must use
		Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified **All valid standard codes are used.**				
ISA08	I07	**Interchange Receiver ID**	M	AN	15/15	Must use
		Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them				
ISA09	I08	**Interchange Date**	M	DT	6/6	Must use
		Description: Date of the interchange				
ISA10	I09	**Interchange Time**	M	TM	4/4	Must use
		Description: Time of the interchange				
ISA11	I10	**Interchange Control Standards Identifier**	M	ID	1/1	Must use
		Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer				

All valid standard codes are used.

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

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

Code	Name
00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997

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

Description: A control number assigned by the interchange sender

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

Description: Code sent by the sender to request an interchange acknowledgment (TA1)

Code	Name
0	No Acknowledgment Requested

ISA15	I14	**Usage Indicator**	M	ID	1/1	Must use

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

Code	Name
P	Production Data

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

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

GS Functional Group Header

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

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	479	**Functional Identifier Code**	M	ID	2/2	Must use
		Description: Code identifying a group of application related transaction sets				
		Code **Name** IR Rail Carrier Freight Details and Invoice (410, 980)				
GS02	142	**Application Sender's Code**	M	AN	2/15	Must use
		Description: Code identifying party sending transmission; codes agreed to by trading partners **CSX NOTE 1:** *Valid IDs are: "CSXT" for Rail/Intermodal traffic or "CSXI" for Purchased Transportation Intermodal traffic.*				
GS03	124	**Application Receiver's Code**	M	AN	2/15	Must use
		Description: Code identifying party receiving transmission; codes agreed to by trading partners				
GS04	373	**Date**	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
GS05	337	**Time**	M	TM	4/8	Must use
		Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)				
GS06	28	**Group Control Number**	M	N0	1/9	Must use
		Description: Assigned number originated and maintained by the sender				
GS07	455	**Responsible Agency Code**	M	ID	1/2	Must use
		Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480				
		Code **Name** X Accredited Standards Committee X12				
GS08	480	**Version / Release / Industry Identifier Code**	M	AN	1/12	Must use
		Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed				
		Code **Name** 004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997				

Semantics:

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

Comments:

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

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	143	**Transaction Set Identifier Code**	M	ID	3/3	Must use
		Description: Code uniquely identifying a Transaction Set				
		Code **Name** 410 Rail Carrier Freight Details and Invoice				
ST02	329	**Transaction Set Control Number**	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

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).

B3B Beginning Segment for Carrier's Invoice

Pos: 020 **Max: 1**
Heading - Mandatory
Loop: N/A **Elements: 11**

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B3B01	76	**Invoice Number**	M	AN	1/22	Must use
		Description: Identifying number assigned by issuer **CSX NOTE 1:** *CSX uses an 8 byte invoice number.*				
B3B02	146	**Shipment Method of Payment**	M	ID	2/2	Must use
		Description: Code identifying payment terms for transportation charges **Code** **Name** CC Collect PP Prepaid (by Seller)				
B3B03	373	**Date**	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
B3B04	193	**Net Amount Due**	M	N2	1/12	Must use
		Description: Total charges to be paid by the receiver of this transaction set expressed in the standard monetary denomination for the currency specified **CSX NOTE 1:** *Amount of $1200.25 is sent as 120025*				
B3B05	373	**Date**	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
B3B06	140	**Standard Carrier Alpha Code**	M	ID	2/4	Must use
		Description: Standard Carrier Alpha Code				
B3B07	91	**Transportation Method/Type Code**	M	ID	1/2	Must use
		Description: Code specifying the method or type of transportation for the shipment **Code** **Name** R Rail X Intermodal (Piggyback) **User Note 1:** *Used if N711 equals CC, CH, CM,CN,CX,CZ,GS,LS,OT,PL,PT,RT or TL.*				
B3B08	145	**Shipment Identification Number**	O	AN	1/30	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)				
B3B09	188	**Weight Unit Code**	O	ID	1/1	Used
		Description: Code specifying the weight unit **Code** **Name** E Metric Ton K Kilograms L Pounds M Measurement Ton S Short Ton T Long Ton				
B3B10	202	**Correction Indicator**	O	ID	2/2	Used

Description: Code used to indicate that the transaction set contains information which corrects previous information

Code	Name
AD	Adjustment of Previous Freight Bill Charges
BD	Balance Due Billing

B3B11	100	**Currency Code**	O	ID	3/3	Used

Description: Code (Standard ISO) for country in whose currency the charges are specified
CSX NOTE 1: *USD IS Dollars, All CSX Invoices are in US Dollars.*

Semantics:

1. B3B03 is the billing date.
2. B3B05 is the payment due date.
3. B3B11 defines the currency used in the transaction.

Comments:

1. The B3B09 default value is pounds.

N9 Reference Identification

Pos: 040	Max: 30
Heading - Optional	
Loop: N/A	Elements: 4

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier**	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification				
		Code **Name** BM Bill of Lading Number BN Booking Number CT Contract Number CX Consignment Classification ID DN Draft Number P8 Pickup Reference Number PO Purchase Order Number PR Price Quote Number SI Shipper's Identifying Number for Shipment (SID) SO Shipper's Order (Invoice Number) UT Unit Train WY Waybill Number ZZ Mutually Defined				
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				
N903	369	**Free-form Description**	X	AN	1/45	Used
		Description: Free-form descriptive text				
N904	373	**Date**	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				

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.

CM Cargo Manifest

Pos: 045 **Max: 2**
Heading - Optional
Loop: N/A **Elements: 15**

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CM01	55	**Flight/Voyage Number**	O	AN	2/10	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
		Description: Code defining function performed at the port or terminal with respect to a shipment				
		Code **Name** 1 Final Port of Discharge (Operational) D Port of Discharge (Operational) L Port of Loading (Operational)				
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 **CSX NOTE 1:** *If CM02 is 'D' or '1', this contains the ship dock date* *If CM02 is 'L', this contains the ship sail date*				
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 **CSX NOTE 1:** *Represents the current carrier*				
CM07	140	**Standard Carrier Alpha Code**	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code **CSX NOTE 1:** *Represents the previous carrier*				
CM08	373	**Date**	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD **CSX NOTE 1:** *Represents the manifest date*				
CM09	182	**Vessel Name**	O	AN	2/12	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
		Description: Code identifying the country				

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

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

Syntax Rules:

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

Semantics:

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

Comments:

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

Loop Equipment Details

Pos: 050	Repeat: 500
Mandatory	
Loop: N7	Elements: N/A

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
050	N7	Equipment Details	M	1		Must use
060	VC	Motor Vehicle Control	O	21		Used
080	M7	Seal Numbers	O	5		Used
120	M12	In-bond Identifying Information	O	1		Used
125	GA	Canadian Grain Information	O	15		Used

N7 Equipment Details

Pos: 050	Max: 1
Heading - Mandatory	
Loop: N7	Elements: 20

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N701	206	**Equipment Initial**	O	AN	1/4	Used
		Description: Prefix or alphabetic part of an equipment unit's identifying number **CSX NOTE 1:** *See guidelines for Equipment Initials and Numbers in the Standards Conventions chapter*				
N702	207	**Equipment Number**	M	AN	1/6	Must use
		Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) **CSX NOTE 1:** *See guidelines for Equipment Initials and Numbers in the Standards Conventions chapter*				
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 Must include dunnage weight*				
N704	187	**Weight Qualifier**	X	ID	1/2	Used
		Description: Code defining the type of weight **CSX NOTE 1:** *Qualified N703*				
		Code **Name** E Estimated Net Weight G Gross Weight N Actual Net Weight				
N705	167	**Tare Weight**	X	N0	3/8	Used
		Description: Weight of the equipment				
N706	232	**Weight Allowance**	O	N0	2/6	Used
		Description: Allowance made for increased weight due to such factors as snow				
N707	205	**Dunnage**	O	N0	1/6	Used
		Description: Weight of material used to protect lading (even bracings, false floors, etc.) **CSX NOTE 1:** *Dunnage weight only*				
N708	183	**Volume**	X	R	1/8	Used
		Description: Value of volumetric measure				
N710	102	**Ownership Code**	O	ID	1/1	Used
		Description: Code indicating the relationship of equipment to carrier or ownership of equipment				
		Code **Name** T Trip Leased				
N711	40	**Equipment Description Code**	O	ID	2/2	Used
		Description: Code identifying type of equipment used for shipment				
		Code **Name** BG Bogie CA Caboose CC Container resting on a Chassis CH Chassis CM Container, Open-Sided CN Container				

CX	Container, Tank
CZ	Refrigerated Container
GS	Generator Set
ID	Idler Car
LO	Locomotive
LS	Half Height Flat Rack
OT	Open-top/flatbed trailer
PL	Container, Platform
PT	Protected Trailer
RR	Rail Car
RT	Controlled Temperature Trailer (Reefer)
SK	Stack Car
TL	Trailer (not otherwise specified)
TN	Tank Car

N712	140	**Standard Carrier Alpha Code**	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
N714	219	**Position**	O	AN	1/3	Used
		Description: Relative position of shipment in car, trailer, or container (mutually defined) **CSX NOTE 1:** *See Rail Data Element Dictionary*				
N715	567	**Equipment Length**	O	N0	4/5	Used
		Description: Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11) **CSX NOTE 1:** *Outside length required for intermodal shipments*				
N716	571	**Tare Qualifier Code**	X	ID	1/1	Used
		Description: Code identifying the type of tare **All valid standard codes are used.**				
N718	761	**Equipment Number Check Digit**	O	N0	1/1	Used
		Description: Number which designates the check digit applied to a piece of equipment **CSX NOTE 1:** *See guideline for Equipment initials and Numbers in the Standards Conventions chapter*				
N720	65	**Height**	O	R	1/8	Used
		Description: Vertical dimension of an object measured when the object is in the upright position **CSX NOTE 1:** *Expressed in inches*				
N721	189	**Width**	O	R	1/8	Used
		Description: Shorter measurement of the two horizontal dimensions measured with the object in the upright position **CSX NOTE 1:** *Expressed in inches*				
N722	24	**Equipment Type**	O	ID	4/4	Used
		Description: Code identifying equipment type **CSX NOTE 1:** *The ISO Container Code*				
N723	140	**Standard Carrier Alpha Code**	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
N724	301	**Car Type Code**	O	ID	1/4	Used
		Description: Code specifying type of rail car or intermodal equipment type and its general characteristics **CSX NOTE 1:** *The value will be the AAR Car Kind*				

Syntax Rules:

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

Semantics:

1. N712 is the owner of the equipment.
2. N723 is the operator or carrier of the rights of the equipment.

Comments:

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

VC Motor Vehicle Control

Pos: 060	Max: 21
Heading - Optional	
Loop: N7	Elements: 6

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
VC01	539	**Vehicle Identification Number**	M	AN	1/25	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 **CSX NOTE 1:** *See Rail Data Element Dictionary* **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				

Code	Name
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:** *Auto manufacturer's route code*				
VC10	583	**Factory Car Order Number**	O	AN	6/10	Used
		Description: This number to be supplied by the shipper for Canadian customer requirements at border points for all finished motor vehicles exported to the United States from Canada				

Semantics:

1. VC05 is the automotive manufacturer route code.

M7 Seal Numbers

Pos: 080	Max: 5
Heading - Optional	
Loop: N7	Elements: 4

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

Element Summary:

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

Comments:

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

CSX NOTE 1:

A 'Cone seal' is indicated by "HV" in the IM02. A 'red ball' Customs seal is indicated by the presence of an M12 segment.

M12 In-bond Identifying Information

Pos: 120	Max: 1
Heading - Optional	
Loop: N7	Elements: 10

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
M1201	581	**Customs Entry Type Code**	M	ID	2/2	Must use
		Description: Code defining the type of entry assigned by U.S. Customs **CSX NOTE 1:** *61 Imported to US* *62 Inported and final destination is outside the US* *63 Imported to US, Export from the US, with no in-transit movement* *65 This signifies US-CANADA-US movements* *66 This signifies traffic with multiple US border crossings with the shipment terminating in the US* *A2 If used M1208 must = XC* *A6 If used M1208 must = XC* *A8 If used M1208 must = XC* *DP If used M1208 must = XC*				
M1202	601	**Customs Entry Number**	X	AN	1/15	Used
		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.* *If paperless entry number is unknown, pass 'UNKNOWN' here.*				
M1203	310	**Location Identifier**	O	AN	1/30	Used
		Description: Code which identifies a specific location **CSX NOTE 1:** *This is a 4-digit numeric census schedule D. It is the port of termination if M1201 is 61. It is the port of exportation if M1201 is 62.*				
M1204	310	**Location Identifier**	O	AN	1/30	Used
		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
		Description: Customs value in whole dollars				
M1206	603	**In-bond Control Number**	X	AN	1/25	Used
		Description: Currently assigned control number for in-bond movement **CSX NOTE 1:** *If conventional In-bond number is unknown, pass 'UNKNOWN' here.*				
M1208	128	**Reference Identification Qualifier**	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification **Code** **Name** BI Bonded Carrier Internal Revenue Service Identification Number S4 Shippers Bond Number XC Cargo Control Number				
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:** *Contains the IRS number of the bond holder identified in M1208 for*				

		codes BI and S4. *If used for Canadian In-Bond reporting, this will contain the Cargo Control Number (CCN).*				
M1210	91	**Transportation Method/Type Code**	X	ID	1/2	Used
		Description: Code specifying the method or type of transportation for the shipment **CSX NOTE 1:** *May only be used if M1201 is '62' to eliminate Department of Commerce form 7513*				
		Code **Name** S Ocean				
M1211	182	**Vessel Name**	X	AN	2/28	Used
		Description: Name of ship as documented in "Lloyd's Register of Ships" **CSX NOTE 1:** *Vessel to be loaded for export, if known*				

Syntax Rules:

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

Semantics:

1. M1203 is a four-digit numeric census schedule D when identifying a U.S. port, and a three-digit numeric memorandum D when identifying a Canadian port. It is the port of destination if M1201 is "61". It is the port of export if M1201 is "62" or "63".
2. M1204 is five-digit numeric census schedule K. It is the foreign port of destination if M1201 is "62" or "63".
3. M1207 identifies the carrier to whom liability is transferred.

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.

GA Canadian Grain Information

Pos: 125 **Max: 15**
Heading - Optional
Loop: N7 **Elements: 17**

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GA01	1275	**Fumigated/Cleaned Indicator**	O	ID	1/1	Used
		Description: Code indicating whether product has been fumigated and/or cleaned **CSX NOTE 1:** *Default value is 'N'* **All valid standard codes are used.**				
GA02	22	**Commodity Code**	O	AN	1/30	Used
		Description: Code describing a commodity or group of commodities **CSX NOTE 1:** *Will contain the Canadian Commission Commodity Code for terminal elevator and will be required for each new occurrence of a different grain or grain order.* *Code Source is Canadian Grain Commision Grain Code 435*				
GA03	1576	**Inspected/Weighed Indicator Code**	O	ID	1/2	Used
		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.* *If not present, then shipment is neither Inspected nor weighed.* **All valid standard codes are used.**				
GA04	128	**Reference Identification Qualifier**	O	ID	2/3	Used
		Description: Code qualifying the Reference Identification **All valid standard codes are used.**				
GA05	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				
GA06	642	**Week**	O	N0	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	N0	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**	O	ID	1/1	Used

		Type Code				
		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'* **All valid standard codes are used.**				
GA14	310	**Location Identifier**	X	AN	1/30	Used
		Description: Code which identifies a specific location				
GA15	156	**State or Province Code**	X	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
GA16	1004	**Percent Qualifier**	X	ID	1/2	Used
		Description: Code to qualify percent **All valid standard codes are used.**				
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.

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. GA14 is the terminal or staging area name.

Comments:

1. GA02 contains the Canadian Grain Commission Commodity Code for terminal elevator accounting.
2. GA05 is used for grain block number.
3. 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.

CSX NOTE 1:

At least one occurrence of GA04 is required with the code value GR.

These changes are not yet reflected in X12

N8 Waybill Reference

Pos: 130	Max: 499
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use
Purpose: To identify the waybill and to specify the equipment used and the destination details

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N801	186	**Waybill Number**	M	N0	1/6	Must use
		Description: Carrier accounting number of the waybill for the inbound movement **CSX NOTE 1:** *Reference for lead or single car/TOFC/COFC*				
N802	373	**Date**	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD **CSX NOTE 1:** *Waybill date for lead or single car/TOFC/COFC Contains waybill date. Can not be in the future.*				

Syntax Rules:

1. P030405 - If either N803, N804 or N805 are present, then the others are required.
2. P0607 - If either N806 or N807 is present, then the other is required.
3. P0809 - If either N808 or N809 is present, then the other is required.
4. P1011 - If either N810 or N811 is present, then the other is required.

Semantics:

1. N802 is the waybill date.
2. N808 is the destination station of movement.
3. N810 will contain destination railroad initial Standard Carrier Alpha Code (SCAC).
4. N811 will contain railroad destination Freight Station Accounting Code (FSAC).

Comments:

1. Waybill type should be transmitted only when the transaction set involves a multiple Car/TOFC/COFC shipment or a conveying flat car. Waybill type should not be sent on a single Car/TOFC/COFC.
2. N807 is the waybill date.

F9 Origin Station

Pos: 140	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
F901	573	**Freight Station Accounting Code**	O	ID	1/5	Used
		Description: Code (Freight Station Accounting) (AAR Managed Code for Locations)				
F902	19	**City Name**	M	AN	2/30	Must use
		Description: Free-form text for city name **CSX NOTE 1:** *Limited to Rail 19 character station name as defined by the AAR Centrailzed 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				
F908	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 **CSX NOTE 1:** *The SPLC for F902*				

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: 150	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
D901	573	**Freight Station Accounting Code**	O	ID	1/5	Used
		Description: Code (Freight Station Accounting) (AAR Managed Code for Locations)				
D902	19	**City Name**	M	AN	2/30	Must use
		Description: Free-form text for city name **CSX NOTE 1:** *Limited to Rail 19 character station name as defined by the AAR Centrailzed Station Master*				
D903	156	**State or Province Code**	M	ID	2/2	Must use
		Description: Code (Standard State/Province) as defined by appropriate government agency				
D910	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				

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: 160	Repeat: 10
Optional	
Loop: N1	Elements: N/A

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
160	N1	Name	O	1		Used
165	N2	Additional Name Information	O	2		Used
170	N3	Address Information	O	2		Used
180	N4	Geographic Location	O	1		Used
185	PER	Administrative Communications Contact	O	2		Used

N1 Name

Pos: 160	Max: 1
Heading - Optional	
Loop: N1	Elements: 6

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	98	**Entity Identifier Code**	M	ID	2/3	Must use
		Description: Code identifying an organizational entity, a physical location, property or an individual				
		Code **Name**				
		11 Party to be billed(AAR Accounting Rule 11)				
		AA Authority For Shipment				
		AD Party to be advised (Written orders)				
		AP Account of (Origin Party)				
		AQ Account of (Destination Party)				
		BN Beneficial Owner				
		BT Bill-to-Party				
		C1 In Care Of Party no. 1				
		CB Customs Broker				
		CD Consignee (To Receive Mail and Small Parcels)				
		CM Customs				
		CN Consignee				
		CV Converter				
		DM Destination Mail Facility				
		DR Destination Drayman				
		IM Importer				
		MC Motor Carrier				
		N1 Notify Party no. 1				
		N2 Notify Party no. 2				
		NC Cross-Town Switch				
		NP Notify Party for Shipper's Order				
		OM Origin Mail Facility				
		OO Order Of (Shippers Orders) - (Transportation)				
		OR Origin Drayman				
		OW Owner of Property or Unit				
		PF Party to Receive Freight Bill				
		PJ Party to Receive Correspondence				
		PU Party at Pick-up Location				
		PV Party performing certification				
		R1 Party to Receive Scale Ticket				
		SF Ship From				
		SH Shipper				
		SS Steamship Company				
		UC Ultimate Consignee				
		XQ Canadian Customs Broker				
N102	93	**Name**	X	AN	1/60	Used
		Description: Free-form name				
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**				
		17 Automated Broker Interface (ABI) Routing Code				
		C5 Customer Identification File				

		ZZ Mutually Defined				
N104	67	**Identification Code**	X	AN	2/80	Used
		Description: Code identifying a party or other code				
N105	706	**Entity Relationship Code**	O	ID	2/2	Used
		Description: Code describing entity relationship **All valid standard codes are used.**				
N106	98	**Entity Identifier Code**	O	ID	2/3	Used
		Description: Code identifying an organizational entity, a physical location, property or an individual **All valid standard codes are used.**				

Syntax Rules:

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

Comments:

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

CSX NOTE 1:

See guidelines for N1 Loop usage in Standards Conventions Chapter

N2 Additional Name Information

Pos: 165	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used
Purpose: To specify additional names or those longer than 35 characters in length

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N201	93	**Name**	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	**Name**	O	AN	1/60	Used
		Description: Free-form name				

CSX NOTE 1:

See guidelines for N1 Loop usage in Standards Conventions Chapter

N3 Address Information

Pos: 170	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	Must use
		Description: Address information				
N302	166	**Address Information**	O	AN	1/55	Used
		Description: Address information				

CSX NOTE 1:

See guidelines for N1 Loop usage in Standards Conventions Chapter

N4 Geographic Location

Pos: 180	Max: 1
Heading - Optional	
Loop: N1	Elements: 5

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	O	AN	2/30	Used
		Description: Free-form text for city name				
N402	156	**State or Province Code**	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)				
N405	309	**Location Qualifier**	X	ID	1/2	Used
		Description: Code identifying type of location **All valid standard codes are used.**				
N406	310	**Location Identifier**	O	AN	1/30	Used
		Description: Code which identifies a specific location				

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.

CSX NOTE 1:

See guidelines for N1 Loop usage in Standards Conventions Chapter

PER Administrative Communications Contact

Pos: 185 **Max: 2**
Heading - Optional
Loop: N1 **Elements: 9**

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 **All valid standard codes are used.**				
PER02	93	**Name**	O	AN	1/60	Used
		Description: Free-form name				
PER03	365	**Communication Number Qualifier**	X	ID	2/2	Used
		Description: Code identifying the type of communication number **All valid standard codes are used.**				
PER04	364	**Communication Number**	X	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
PER05	365	**Communication Number Qualifier**	X	ID	2/2	Used
		Description: Code identifying the type of communication number **All valid standard codes are used.**				
PER06	364	**Communication Number**	X	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
PER07	365	**Communication Number Qualifier**	X	ID	2/2	Used
		Description: Code identifying the type of communication number **All valid standard codes are used.**				
PER08	364	**Communication Number**	X	AN	1/80	Used
		Description: Complete communications number including country or area code when applicable				
PER09	443	**Contact Inquiry Reference**	O	AN	1/20	Used
		Description: Additional reference number or description to clarify a 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.

CSX NOTE 1:

See guidelines for N1 Loop usage in Standards Conventions Chapter

R2 Route Information

Pos: 400	Max: 13
Heading - Optional	
Loop: N/A	Elements: 7

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
R201	140	**Standard Carrier Alpha Code**	M	ID	2/4	Must use
		Description: Standard Carrier Alpha Code				
R202	133	**Routing Sequence Code**	M	ID	1/2	Must use
		Description: Code describing the relationship of a carrier to a specific shipment movement				

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

R203	19	**City Name**	O	AN	2/30	Used
		Description: Free-form text for city name **CSX NOTE 1:** *Contains Rule 260 Abbreviation only*				
R205	177	**Intermodal Service Code**	O	ID	1/2	Used
		Description: Code identifying the Intermodal Service Plan **CSX NOTE 1:** *Required on intermodal shipments (BX02 = X) when N711 contains CC,CH,CM,CN,CX,CZ,GS,LS,OT,PL,PT,RT, or TL* *See Rail Data Element Dictionary*				
R206	91	**Transportation Method/Type Code**	O	ID	1/2	Used
		Description: Code specifying the method or type of transportation for the shipment **All valid standard codes are used.**				
R207	296	**Intermediate Switch Carrier**	X	ID	2/4	Used
		Description: Code defining a road which neither originates nor terminates the shipment but provides a switching service between two roadhaul rail carriers (SCAC code for rail switch carrier) **CSX NOTE 1:** *Used for second intermediate switch carrier at this junction* *If used, R202 must be 'V'*				
R208	296	**Intermediate Switch Carrier**	O	ID	2/4	Used
		Description: Code defining a road which neither originates nor terminates the shipment but provides a				

switching service between two roadhaul rail carriers (SCAC code for rail switch carrier)
CSX NOTE 1: *Used for third intermediate switch carrier at this junction*

If used, R202 must be 'V'

Syntax Rules:

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

Semantics:

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

CSX NOTE 1:

Required
Each set of shipment information must include at least one R2
segment (Route Information). When including interline city names, the AAR rule 260 abbreviations should be used.

PS Protective Service Instructions

Pos: 420	Max: 5
Heading - Optional	
Loop: N/A	Elements: 13

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PS01	746	**Protective Service Rule Code**	M	ID	3/9	Must use
		Description: Association of American Railroads (AAR) Protective Service that applies to shipment **CSX NOTE 1:** *See Rail Data Element Dictionary.*				
PS02	241	**Protective Service Code**	M	ID	1/4	Must use
		Description: Code specifying perishable protective service- rail carriers only **CSX NOTE 1:** *Pass the code values only.*				

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PS03	355	**Unit or Basis for Measurement Code**	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				

Code	Name
CE	Centigrade, Celsius
FA	Fahrenheit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PS04	408	**Temperature**	X	R	1/4	Used
		Description: Temperature **CSX NOTE 1:** *This is the optimun temperature for the shipment*				
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:** *Limited to the Rail 19 character station name as defined in the AAR Centralized Station Master*				
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.**				
PS11	1073	**Yes/No Condition or Response Code**	O	ID	1/1	Used
		Description: Code indicating a Yes or No condition or response				

Code	Name

		N No Y Yes				
PS12	1073	**Yes/No Condition or Response Code** **Description:** Code indicating a Yes or No condition or response **Code** **Name** N No Y Yes	O	ID	1/1	Used
PS13	1073	**Yes/No Condition or Response Code** **Description:** Code indicating a Yes or No condition or response **Code** **Name** N No Y Yes	O	ID	1/1	Used
PS14	408	**Temperature** **Description:** Temperature **CSX NOTE 1:** *Set temperature at service origin*	X	R	1/4	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.

CSX NOTE 1:

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

Temperatures are passed in the PS04 and PS14

Loop Assigned Number

Pos: 430	Repeat: 25
Mandatory	
Loop: LX	Elements: N/A

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
430	LX	Assigned Number	M	1		Must use
440	L5	Description, Marks and Numbers	M	15		Must use
460		Loop L0	M		25	Must use

LX Assigned Number

Pos: 430	Max: 1
Heading - Mandatory	
Loop: LX	Elements: 1

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LX01	554	**Assigned Number** **Description:** Number assigned for differentiation within a transaction set	M	N0	1/6	Must use

CSX NOTE 1:

See guidelines for L5/LO looping structure in Standards Conventions chapter

L5 Description, Marks and Numbers

Pos: 440 **Max: 15**
Heading - Mandatory
Loop: LX **Elements: 8**

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				
L502	79	**Lading Description**	O	AN	1/50	Used
		Description: Description of an item as required for rating and billing purposes				
L503	22	**Commodity Code**	X	AN	1/30	Used
		Description: Code describing a commodity or group of commodities				
L504	23	**Commodity Code Qualifier**	X	ID	1/1	Used
		Description: Code identifying the commodity coding system used for Commodity Code				

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L505	103	**Packaging Code**	O	AN	3/5	Used
		Description: Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required				

Code	Name
AMM	Ammo Pack
BAG	Bag
BAL	Bale
BDL	Bundle
BEM	Beam
BIC	Bing Chest
BIN	Bin
BLK	Bulk
BOB	Bobbin
BOX	Box
BRG	Barge
BSK	Basket or hamper
BXI	Box, with inner container
BXT	Bucket
CAB	Cabinet
CAG	Cage
CAN	Can
CAR	Carrier
CAS	Case
CBC	Containers of Bulk Cargo
CBY	Carboy
CCS	Can Case
CHE	Cheeses
CHS	Chest
CLD	Car Load, Rail
CNT	Container

COL	Coil
CON	Cones
COR	Core
CRD	Cradle
CRT	Crate
CSK	Cask
CTN	Carton
CYL	Cylinder
DBK	Dry Bulk
DRK	Double-length Rack
DRM	Drum
DSK	Double-length Skid
DTB	Double-length Tote Bin
ENV	Envelope
FIR	Firkin
FLO	Flo-bin
FRM	Frame
FSK	Flask
FWR	Forward Reel
HED	Heads of Beef
HGH	Hogshead
HPT	Hopper Truck
HRB	On Hanger or Rack in Boxes
HRK	Half-Standard Rack
HTB	Half-Standard Tote Bin
JAR	Jar
KEG	Keg
KIT	Kit
KRK	Knockdown Rack
KTB	Knockdown Tote Bin
LBK	Liquid Bulk
LIF	Lifts
LOG	Log
LSE	Loose
LUG	Lug
LVN	Lift Van
MRP	Multi-Roll Pack
NOL	Noil
PAL	Pail
PCK	Packed - not otherwise specified
PCS	Pieces
PIR	Pirns
PKG	Package
PLF	Platform
PLN	Pipeline
PLT	Pallet
POV	Private Vehicle
PRK	Pipe Rack
QTR	Quarter of Beef
RAL	Rail (Semiconductor)
RCK	Rack
REL	Reel
ROL	Roll
RVR	Reverse Reel
SAK	Sack
SHK	Shook
SID	Side of Beef

SKD	Skid
SKE	Skid, elevating or lift truck
SLP	Slip Sheet
SLV	Sleeve
SPI	Spin Cylinders
SPL	Spool
TBE	Tube
TBN	Tote Bin
TKR	Tank Car
TKT	Tank Truck
TLD	Intermodal Trailer/Container Load (Rail)
TNK	Tank
TRC	Tierce
TRK	Trunk and Chest
TRY	Tray
TSS	Trunk, Salesmen Sample
TUB	Tub
UNP	Unpacked
UNT	Unit
VEH	Vehicles
VPK	Van Pack
WHE	On Own Wheel
WLC	Wheeled Carrier
WRP	Wrapped

L506	87	**Marks and Numbers**	X	AN	1/48	Used
		Description: Marks and numbers used to identify a shipment or parts of a shipment				
L507	88	**Marks and Numbers Qualifier**	O	ID	1/2	Used
		Description: Code specifying the application or source of Marks and Numbers (87) **All valid standard codes are used.**				
L508	23	**Commodity Code Qualifier**	X	ID	1/1	Used
		Description: Code identifying the commodity coding system used for Commodity Code				

Code	**Name**
T	Standard Transportation Commodity Code (STCC)

Syntax Rules:

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

Comments:

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

CSX NOTE 1:

See guidelines for L5/LO loop in Standards Conventions Chapter

Loop Line Item - Quantity and Weight

Pos: 460	Repeat: 25
Mandatory	
Loop: L0	Elements: N/A

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
460	L0	Line Item - Quantity and Weight	M	1		Must use
470	L1	Rate and Charges	M	10		Must use
480	PI	Price Authority Identification	O	30		Used

CSX NOTE 1:

See guidelines for L5/LO loop in Standards Conventions Chapter

L0 Line Item - Quantity and Weight

Pos: 460 **Max: 1**
Heading - Mandatory
Loop: L0 **Elements: 15**

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L001	213	**Lading Line Item Number**	O	N0	1/3	Used
		Description: Sequential line number for a lading item				
L002	220	**Billed/Rated-as Quantity**	X	R	1/11	Used
		Description: Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81				
L003	221	**Billed/Rated-as Qualifier**	X	ID	2/2	Used
		Description: Code identifying the type of quantity or value on which the rate or item pricing is based				

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L004	81	**Weight**	X	R	1/10	Used
		Description: Numeric value of weight				
L005	187	**Weight Qualifier**	X	ID	1/2	Used
		Description: Code defining the type of weight				

Code	Name
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L006	183	**Volume**	X	R	1/8	Used
		Description: Value of volumetric measure				
L007	184	**Volume Unit Qualifier**	X	ID	1/1	Used
		Description: Code identifying the volume unit				

Code	Name
D	Cord
E	Cubic Feet
F	100 Board Feet
G	Gallons
T	Container

		U Volumetric Unit V Liter				
L008	80	**Lading Quantity**	X	N0	1/7	Used
		Description: Number of units (pieces) of the lading commodity				
L009	211	**Packaging Form Code**	X	ID	3/3	Used
		Description: Code for packaging form of the lading quantity **All valid standard codes are used.**				
L010	458	**Dunnage Description**	O	AN	2/25	Used
		Description: Material used to protect lading				
L011	188	**Weight Unit Code**	O	ID	1/1	Used
		Description: Code specifying the weight unit **All valid standard codes are used.**				
L012	56	**Type of Service Code**	O	ID	2/2	Used
		Description: Code specifying extent of transportation service requested **All valid standard codes are used.**				
L013	380	**Quantity**	X	R	1/15	Used
		Description: Numeric value of quantity				
L014	211	**Packaging Form Code**	O	ID	3/3	Used
		Description: Code for packaging form of the lading quantity **All valid standard codes are used.**				
L015	1073	**Yes/No Condition or Response Code**	X	ID	1/1	Used
		Description: Code indicating a Yes or No condition or response **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: 470	Max: 10
Heading - Mandatory	
Loop: L0	Elements: 21

User Option (Usage): Must use
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
		Description: Sequential line number for a lading item				
L102	60	**Freight Rate**	X	R	1/9	Used
		Description: Rate that applies to the specific commodity				
L103	122	**Rate/Value Qualifier**	X	ID	2/2	Used
		Description: Code qualifying how to extend charges or interpret value **All valid standard codes are used.**				
L104	58	**Charge**	X	N2	1/12	Used
		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				
L105	191	**Advances**	X	N2	1/9	Used
		Description: Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified				
L106	117	**Prepaid Amount**	X	N2	1/9	Used
		Description: Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified				
L107	120	**Rate Combination Point Code**	O	AN	3/9	Used
		Description: The code denoting the connecting station for a joint rate obtained by combining two or more published rates which are used for the calculation of transportation charges **All valid standard codes are used.**				
L108	150	**Special Charge or Allowance Code**	O	ID	3/3	Used
		Description: Code identifying type of special charge or allowance **CSX NOTE 1:** *If the code you need is not available please contact B2B@csx.com to see if it can be added.*				

Code	Name
BRD	Bridge Fee
COM	Combination
	User Note 1: *Special Commodity Allowance (Intermodal traffic only) assessed for specific STCCs (in lieu of SPQ process).*
ENC	Energy charge
	User Note 1: *FUEL SURCHARGE*
ENS	Energy Surcharge (Fuel Adjustment Factor)
	User Note 1: *FUEL SURCHARGE*
HAZ	Hazardous Cargo Charge
	User Note 1: *HAZMAT SURCHARGE*
PBL	Pier Charges Other Than Wharfage
	User Note 1: *PORT SURCHARGE*

		SUC	Special Use **User Note 1:** *ALAMEDA CORRIDOR*			
L109	121	**Rate Class Code**	O	ID	1/3	Used
		Description: Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k **All valid standard codes are used.**				
L110	39	**Entitlement Code**	O	ID	1/1	Used
		Description: Code identifying entitlement party **All valid standard codes are used.**				
L111	16	**Charge Method of Payment**	O	ID	1/1	Used
		Description: Code defining method of payment **All valid standard codes are used.**				
L112	276	**Special Charge Description**	O	AN	2/25	Used
		Description: Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150				
L113	257	**Tariff Application Code**	O	ID	1/1	Used
		Description: Code indicating to which traffic a tariff applies **All valid standard codes are used.**				
L114	74	**Declared Value**	X	N2	2/12	Used
		Description: Monetary assigned value expressed in the standard monetary denomination for the currency specified				
L115	122	**Rate/Value Qualifier**	X	ID	2/2	Used
		Description: Code qualifying how to extend charges or interpret value **All valid standard codes are used.**				
L116	372	**Lading Liability Code**	O	ID	1/1	Used
		Description: Code identifying limits of liability **All valid standard codes are used.**				
L117	220	**Billed/Rated-as Quantity**	X	R	1/11	Used
		Description: Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81				
L118	221	**Billed/Rated-as Qualifier**	X	ID	2/2	Used
		Description: Code identifying the type of quantity or value on which the rate or item pricing is based **All valid standard codes are used.**				
L119	954	**Percent**	O	R	1/10	Used
		Description: Percentage expressed as a decimal				
L120	100	**Currency Code**	O	ID	3/3	Used
		Description: Code (Standard ISO) for country in whose currency the charges are specified				
L121	610	**Amount**	O	N2	1/15	Used
		Description: Monetary amount				

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.

CSX NOTE 1:

See guidelines for L5/LO loop in Standards Conventions Chapter

PI Price Authority Identification

Pos: 480	Max: 30
Heading - Optional	
Loop: L0	Elements: 6

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				
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				
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				
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				

Syntax Rules:

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

Semantics:

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

CSX NOTE 1:

See guidelines for L5/LO loop in Standards Conventions Chapter of the guideline

L3 Total Weight and Charges

Pos: 540	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 3

User Option (Usage): Must use
Purpose: To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L305	58	**Charge**	O	N2	1/12	Used
		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:** *Total freight column charges (including special charges).*				
L306	191	**Advances**	O	N2	1/9	Used
		Description: Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified **CSX NOTE 1:** *Total advance column charges*				
L307	117	**Prepaid Amount**	O	N2	1/9	Used
		Description: Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified **CSX NOTE 1:** *Total prepaid column charges. If not a prepaid shipment, L305 plus L306 will be the total charges for the shipment.*				

Syntax Rules:

1. P0102 - If either L301 or L302 is present, then the other is required.
2. P0304 - If either L303 or L304 is present, then the other is required.
3. P0910 - If either L309 or L310 is present, then the other is required.
4. C1201 - If L312 is present, then L301 is required.
5. P1415 - If either L314 or L315 is present, then the other is required.

Semantics:

1. L305 is the total charges.

CSX NOTE 1:

Used for total charges, advances and prepaid only

SE Transaction Set Trailer

Pos: 570	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments**	M	N0	1/10	Must use
		Description: Total number of segments included in a transaction set including ST and SE segments				
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Comments:

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

GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE01	97	**Number of Transaction Sets Included**	M	N0	1/6	Must use
		Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element				
GE02	28	**Group Control Number**	M	N0	1/9	Must use
		Description: Assigned number originated and maintained by the sender				

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA01	I16	**Number of Included Functional Groups**	M	N0	1/5	Must use
		Description: A count of the number of functional groups included in an interchange				
IEA02	I12	**Interchange Control Number**	M	N0	9/9	Must use
		Description: A control number assigned by the interchange sender				