



CSX EDI 417

Rail Carrier Waybill Interchange

X12/V5030/417: 417 Rail Carrier Waybill Interchange

Version: 005030 RAIL

Questions about the CSX EDI 417 Implementation Guide should be directed to:

877-SHIPCSX option 2, prompt 2
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417

Rail Carrier Waybill Interchange

Functional Group=WB

Purpose: This X12 Transaction Set contains the format and establishes the data contents of the Rail Carrier Waybill Interchange Transaction Set (417) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the rail carrier with detailed movement instructions pertinent to a rail carrier shipment and is used by all Class I rail carriers in the United States and Canada.

Not Defined:

<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>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

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>
0100	ST	Transaction Set Header	M	1			Must use
0200	ZC1	Beginning Segment for Data Correction or Change	O	1		N1/0200	Used
0300	BX	General Shipment Information	O	1		N1/0300	Used
0400	BNX	Rail Shipment Information	O	1		N1/0400	Used
0500	N9	Extended Reference Information	O	30			Used
0600	CM	Cargo Manifest	O	2			Used
0700	DTM	Date/Time Reference	O	5			Used

<u>LOOP ID - N7</u>					<u>500</u>		
0800	N7	Equipment Details	M	1			Must use
0810	EM	Equipment Characteristics	O	1			Used
<u>LOOP ID - VC</u>					<u>36</u>		
0900	VC	Motor Vehicle Control	O	1			Used
<u>LOOP ID - N1</u>					<u>2</u>		
0920	N1	Party Identification	O	1			Used
0940	N3	Party Location	O	2			Used
0960	N4	Geographic Location	O	1			Used
0980	H3	Special Handling Instructions	O	1			Used
1000	IC	Intermodal Chassis Equipment	O	1			Used
1100	IM	Intermodal Movement Information	O	1			Used
1200	M12	In-bond Identifying Information	O	2			Used
1300	G4	Scale Identification	O	1			Used
1400	M7	Seal Numbers	O	5			Used
1500	N5	Equipment Ordered	O	1			Used
<u>LOOP ID - E1</u>					<u>2</u>		
1610	E1	Empty Car Disposition - Pended Destination Consignee	O	1			Used
1620	E4	Empty Car Disposition - Pended Destination City	O	1			Used
1630	E5	Empty Car Disposition - Pended Destination Route	O	13			Used
1640	PI	Price Authority Identification	O	1			Used

1650	GA	Canadian Grain Information	O	15		Used
LOOP ID - REF					99	
1670	REF	Reference Information	O	1		Used
1675	N9	Extended Reference Information	O	10		Used
1680	N10	Quantity and Description	O	15		Used
LOOP ID - N1					5	
1690	N1	Party Identification	O	1		Used
1700	N3	Party Location	O	1		Used
1720	N4	Geographic Location	O	1		Used
1750	IMA	Interchange Move Authority	O	3		Used
1800	N8	Waybill Reference	M	499		Must use
1810	N8A	Additional Reference Information	O	499		Used
2000	F9	Origin Station	M	1		Must use
2100	D9	Destination Station	M	1		Must use
LOOP ID - N1					15	
2200	N1	Party Identification	M	1		Must use
2250	N2	Additional Name Information	O	2		Used
2300	N3	Party Location	O	2		Used
2400	N4	Geographic Location	O	1		Used
2450	REF	Reference Information	O	2		Used
2500	PER	Administrative Communications Contact	O	2		Used
2620	BL	Billing Information	O	12		Used
4700	R2	Route Information	M	13		Must use
4850	R9	Route Code Identification	O	1		Used
LOOP ID - E1					2	
4900	E1	Empty Car Disposition - Pended Destination Consignee	O	1		Used
5000	E4	Empty Car Disposition - Pended Destination City	O	1		Used
5100	E5	Empty Car Disposition - Pended Destination Route	O	13		Used
5110	PI	Price Authority Identification	O	1		Used
5200	H3	Special Handling Instructions	O	20		Used
5300	PS	Protective Service Instructions	O	5		Used
LOOP ID - LX					25	
5400	LX	Transaction Set Line Number	M	1		Must use
5500	L5	Description, Marks and Numbers	M	15		Must use
LOOP ID - L0					25	
5700	L0	Line Item - Quantity and Weight	O	1		Used
5750	MEA	Measurements	O	3		Used
LOOP ID - PI					30	
5900	PI	Price Authority Identification	O	1		Used
5920	CD	Shipment Conditions	O	10		Used
5950	X1	Export License	O	6		Used
LOOP ID - T1					64	
6000	T1	Transit Inbound Origin	O	1		Used

6100	T2	Transit Inbound Lading	O	30		Used
6200	T3	Transit Inbound Route	O	12		Used
6300	T6	Transit Inbound Rates	O	1		Used
6400	T8	Free-form Transit Data	O	99		Used
LOOP ID - LS					1	
6600	LS	Loop Header	O	1		Used
LOOP ID - LH1					1000	
6700	LH1	Hazardous Identification Information	O	1		Used
6800	LH2	Hazardous Classification Information	O	4	N1/6800	Used
6900	LH3	Hazardous Material Shipping Name Information	O	10		Used
7000	LFH	Free-form Hazardous Material Information	O	20		Used
7100	LEP	EPA Required Data	O	3		Used
7200	LH4	Canadian Dangerous Requirements	O	4		Used
7300	LHT	Transborder Hazardous Requirements	O	3		Used
7400	LHR	Hazardous Material Identifying Reference Numbers	O	5		Used
7450	PER	Administrative Communications Contact	O	5		Used
LOOP ID - N1					10	
7460	N1	Party Identification	O	1		Used
7470	N3	Party Location	O	2		Used
7480	N4	Geographic Location	O	1		Used
7490	PER	Administrative Communications Contact	O	2		Used
7500	LE	Loop Trailer	M	1		Used
7600	PER	Administrative Communications Contact	O	5		Used
7700	LH2	Hazardous Classification Information	O	6	N1/7700	Used
7800	LHR	Hazardous Material Identifying Reference Numbers	O	1		Used
7850	XH	Pro Forma - B13 Information	O	1		Used
7900	X7	Customs Information	O	10		Used
8100	SE	Transaction Set Trailer	M	1		Must use

Not Defined:

<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>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

Notes:

- 1/0200 When the lead car on previously transmitted Waybills is to be removed from those instructions, a 998 Set Cancellation must be submitted deleting the entire waybill using the original lead car ID as reference in the ZD segment. This waybill may then be transmitted with the new leadcar ID.
- 1/0300 BX05 contains the Standard Carrier Alpha Code (SCAC) of the original roadhaul carrier receiving the shipment.

- 1/0400 1 Multi-unit intermodal waybills are not allowed.
- 1/6800 If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory. However, the receiver must consider it to be blanks when printing a paper document.
- 1/7700 If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory. However, the receiver must consider it to be blanks when printing a paper document.

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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	Must use
		Description: Code identifying the type of information in the Authorization Information All valid standard codes are used.				
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 identifying the type of information in the Security Information All valid standard codes are used.				
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: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified				
		<u>Code</u>		<u>Name</u>		
		02		SCAC (Standard Carrier Alpha Code)		
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				
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
		Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified				
		<u>Code</u>		<u>Name</u>		
		02		SCAC (Standard Carrier Alpha Code)		
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	I65	Repetition Separator	M		1/1	Must use

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

ISA12	I11	Interchange Control Version Number	M	ID	5/5	Must use
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Description: Code specifying the version number of the interchange control segments
All valid standard codes are used.

ISA13	I12	Interchange Control Number	M	N0	9/9	Must use
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Description: A control number assigned by the interchange sender

ISA14	I13	Acknowledgment Requested	M	ID	1/1	Must use
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Description: Code indicating sender's request for an interchange acknowledgment
All valid standard codes are used.

ISA15	I14	Interchange Usage Indicator	M	ID	1/1	Must use
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Description: Code indicating whether data enclosed by this interchange envelope is test, production or information

<u>Code</u>	<u>Name</u>
P	Production Data
T	Test Data

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

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	Functional Identifier Code	M	ID	2/2	Must use
		Description: Code identifying a group of application related transaction sets				
		<u>Code</u>		<u>Name</u>		
		WB		Rail Carrier Waybill Interchange (417)		
GS02	142	Application Sender's Code	M	AN	2/15	Must use
		Description: Code identifying party sending transmission; codes agreed to by trading partners				
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 where CC represents the first two digits of the calendar year				
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				
		<u>Code</u>		<u>Name</u>		
		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				
		<u>Code</u>		<u>Name</u>		
		005030		Standards Approved for Publication by ASC X12 Procedures Review Board through October 2005		

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

User Option (Usage): Must use

Purpose: To indicate the start of a transaction set and to assign a control number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use
		Description: Code uniquely identifying a Transaction Set All valid standard codes are used.				
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) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

ZC1 Beginning Segment for Data Correction or Change

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

User Option (Usage): Used

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

Element Summary:

<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	1/30	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)				
ZC102	206	Equipment Initial	O	AN	1/4	Used
		Description: Prefix or alphabetic part of an equipment unit's identifying number				
ZC103	207	Equipment Number	M	AN	1/15	Must use
		Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)				
ZC104	244	Transaction Reference Number	M	AN	1/50	Must use
		Description: Sender's assigned number for referenced transaction set				
ZC105	243	Transaction Reference Date	M	DT	8/8	Must use
		Description: Date of referenced transaction set expressed in format CCYYMMDD where CC represents the first two digits of the calendar year				
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				
		<u>Code</u>		<u>Name</u>		
		CA		Cancelled Bill		
		CO		Correction		
ZC107	140	Standard Carrier Alpha Code	M	ID	2/4	Must use
		Description: Standard Carrier Alpha Code				
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		
		X		Intermodal (Piggyback)		
ZC109	761	Equipment Number Check Digit	O	N0	1/1	Used
		Description: Number which designates the check digit applied to a piece of equipment				

Semantics:

1. If ZC108 is "R" (Rail), then ZC102 is required.
2. ZC109 is the equipment check digit for the equipment number in ZC103.

Comments:

1. For any rail shipment, ZC102 is required.

BX General Shipment Information

Pos: 0300	Max: 1
Heading - Optional	
Loop: N/A	Elements: 12

User Option (Usage): Used

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
		Description: Code specifying the method or type of transportation for the shipment				
		<u>Code</u>		<u>Name</u>		
		R		Rail		
		X		Intermodal (Piggyback)		
BX03	146	Shipment Method of Payment	M	ID	2/2	Must use
		Description: Code identifying payment terms for transportation charges				
		<u>Code</u>		<u>Name</u>		
		11		Rule 11 Shipment		
		CC		Collect		
		NC		Service Freight, No Charge		
		NR		Non Revenue		
		PP		Prepaid (by Seller)		
BX04	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)				
BX05	140	Standard Carrier Alpha Code	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
BX06	188	Weight Unit Code	O	ID	1/1	Used
		Description: Code specifying the weight unit				
		<u>Code</u>		<u>Name</u>		
		L		Pounds		
BX07	147	Shipment Qualifier	O	ID	1/1	Used
		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		
		6		First Bill for Split Shipment		
		7		Subordinate Bill for Split Shipment		
		8		Master Bill, Revenue Empty		
		B		Bill of Lading for Individual Shipment		

- C Consolidated Shipment
- E Empty Equipment Billing (Non-Revenue)
- F Stop-off Shipment
- G Switch Waybill
- H Company Business (Non-revenue)
- M Master Bill of Lading for Assembly, Distribution and Volume Shipment
- N Multiple Loads (Blind Memo) Memo--Incomplete Documentation
- S Submaster Bill of Lading for Volume 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)
All valid standard codes are used.

BX09 195 **Capacity Load Code** O ID 1/1 Used
Description: Code specifying type of capacity load

<u>Code</u>	<u>Name</u>
C	Full Cubic Capacity
F	Full Capacity
G	Gallonage Capacity
M	Marked Capacity
V	Full Visible Capacity

BX11 501 **Customs Documentation Handling Code** O ID 2/2 Used
Description: Code defining method of handling for documentation
All valid standard codes are used.

BX12 199 **Confidential Billing Request Code** O ID 1/1 Used
Description: Code used by the shipper to request that the carrier inhibit origin identification information from the invoice transaction sets and/or rate and charges from waybill documents and transaction sets when shipment moves under confidential contract rates
All valid standard codes are used.

BX13 714 **Goods and Services Tax Reason Code** O ID 1/1 Used
Description: Code required to identify the reason for a 0% rated goods and services tax
All valid standard codes are used.

BNX Rail Shipment Information

Pos: 0400	Max: 1
Heading - Optional	
Loop: N/A	Elements: 4

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

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

BNX02	129	Referenced Pattern Identifier	O	AN	1/13	Used
-------	-----	--------------------------------------	---	----	------	------

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

BNX03	11	Billing Code	O	ID	1/1	Used
-------	----	---------------------	---	----	-----	------

Description: Code indicating type of Bill

<u>Code</u>	<u>Name</u>
A	Temporarily Articulated Load
D	Switch Bill
E	Storage
G	Store in Transit
H	For Furtherance of Transit
M	Multiple Shipment Billing
P	Paired Trailer Shipment
Q	Multi-car Transit
S	Single Shipment Billing
T	Transit Billing
U	Unit Train Billing

BNX04	223	Repetitive Pattern Number	O	N0	5/5	Used
-------	-----	----------------------------------	---	----	-----	------

Description: RWC number composed of a four-digit number with a fifth digit being a modulus 10 check digit

N9 Extended Reference Information

Pos: 0500	Max: 30
Heading - Optional	
Loop: N/A	Elements: 6

User Option (Usage): Used

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				
		Code		Name		
		BM		Bill of Lading Number		
		BN		Booking Number		
		OB		Ocean Bill of Lading		
		SI		Shipper's Identifying Number for Shipment (SID)		
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 where CC represents the first two digits of the calendar year				
N905	337	Time	X	TM	4/8	Used
		Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)				
N906	623	Time Code	O	ID	2/2	Used
		Description: Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow				
		Code		Name		
		AT		Alaska Time		
		CT		Central Time		
		ET		Eastern Time		
		LT		Local Time		
		MT		Mountain Time		
		NT		Newfoundland Time		
		PT		Pacific Time		
		TT		Atlantic Time		

Syntax Rules:

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

Semantics:

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

CM Cargo Manifest

Pos: 0600	Max: 2
Heading - Optional	
Loop: N/A	Elements: 15

User Option (Usage): Used

Purpose: To identify specific flight or voyage information for multimodal shipments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CM01	55	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				
		<u>Code</u>		<u>Name</u>		
		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 where CC represents the first two digits of the calendar year				
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 where CC represents the first two digits of the calendar year				
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

Description: Code identifying the country

CM15 127 **Reference Identification** O AN 1/80 Used

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

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: 0700	Max: 5
Heading - Optional	
Loop: N/A	Elements: 4

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

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

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

<u>Code</u>	<u>Name</u>
002	Delivery Requested
017	Estimated Delivery
018	Available
037	Ship Not Before
038	Ship No Later
067	Current Schedule Delivery
068	Current Schedule Ship
069	Promised for Delivery
110	Originally Scheduled Ship
168	Release
196	Start
197	End
198	Completion
209	Contract Performance Start
210	Contract Performance Delivery
372	Actual Arrival Date
458	Certification
ICF	Converted to Electronic Date

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

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

DTM03	337	Time	X	TM	4/8	Used
-------	-----	------	---	----	-----	------

Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

DTM04	623	Time Code	O	ID	2/2	Used
-------	-----	-----------	---	----	-----	------

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

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

TT Atlantic Time

Syntax Rules:

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

Loop N7

Pos: 0800	Repeat: 500
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>
0800	N7	Equipment Details	M	1		Must use
0810	EM	Equipment Characteristics	O	1		Used
0900		Loop VC	O		36	Used
1000	IC	Intermodal Chassis Equipment	O	1		Used
1100	IM	Intermodal Movement Information	O	1		Used
1200	M12	In-bond Identifying Information	O	2		Used
1300	G4	Scale Identification	O	1		Used
1400	M7	Seal Numbers	O	5		Used
1500	N5	Equipment Ordered	O	1		Used
1610		Loop E1	O		2	Used
1650	GA	Canadian Grain Information	O	15		Used
1670		Loop REF	O		99	Used
1750	IMA	Interchange Move Authority	O	3		Used

N7 Equipment Details

Pos: 0800	Max: 1
Heading - Mandatory	
Loop: N7	Elements: 20

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	O	AN	1/4	Used
		Description: Prefix or alphabetic part of an equipment unit's identifying number				
N702	207	Equipment Number	M	AN	1/15	Must use
		Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)				
N703	81	Weight	X	R	1/10	Used
		Description: Numeric value of 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		
		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.)				
N710	102	Ownership Code	O	ID	1/1	Used
		Description: Code indicating the relationship of equipment to carrier or ownership of equipment				
		<u>Code</u>		<u>Name</u>		
		L		Railroad Leased		
		T		Trip Leased		
N711	40	Equipment Description Code	O	ID	2/2	Used
		Description: Code identifying type of equipment used for shipment				
		<u>Code</u>		<u>Name</u>		
		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				
N713	319	Temperature Control		O	AN	3/6	Used
		Description:	Free-form abbreviation of temperature range or flash-point temperature				
N714	219	Position		O	AN	1/3	Used
		Description:	Relative position of shipment in car, trailer, or container (mutually defined)				
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)				
N716	571	Tare Qualifier Code		X	ID	1/1	Used
		Description:	Code identifying the type of tare All valid standard codes are used.				
N718	761	Equipment Number Check Digit		O	N0	1/1	Used
		Description:	Number which designates the check digit applied to a piece of equipment				
N720	65	Height		O	R	1/8	Used
		Description:	Vertical dimension of an object measured when the object is in the upright position				
N721	189	Width		O	R	1/8	Used
		Description:	Shorter measurement of the two horizontal dimensions measured with the object in the upright position				
N722	24	Equipment Type		O	ID	4/4	Used
		Description:	Code identifying equipment type				
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				

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.

EM**Equipment Characteristics**

Pos: 0810	Max: 1
Heading - Optional	
Loop: N7	Elements: 7

User Option (Usage): Used

Purpose: To send additional information regarding a specific piece of 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>
EM01	188	Weight Unit Code	X	ID	1/1	Used
		Description: Code specifying the weight unit All valid standard codes are used.				
EM02	81	Weight	O	R	1/10	Used
		Description: Numeric value of weight				
EM03	184	Volume Unit Qualifier	X	ID	1/1	Used
		Description: Code identifying the volume unit All valid standard codes are used.				
EM04	183	Volume	O	R	1/8	Used
		Description: Value of volumetric measure				
EM05	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
EM06	1429	Construction Type	O	ID	1/2	Used
		Description: Contains the primary construction material All valid standard codes are used.				
EM07	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				

Syntax Rules:

1. C0201 - If EM02 is present, then EM01 is required.
2. C0403 - If EM04 is present, then EM03 is required.

Semantics:

1. EM02 is the maximum load weight.
2. EM04 is the maximum load volume.
3. EM05 is the country of manufacture.
4. EM07 is the last inspection date for convention of safe container.

Loop VC

Pos: 0900 Repeat: 36
 Optional
 Loop: VC Elements: N/A

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>
0900	VC	Motor Vehicle Control	O	1		Used
0920		Loop N1	O		2	Used

VC Motor Vehicle Control

Pos: 0900	Max: 1
Heading - Optional	
Loop: VC	Elements: 8

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	1/30	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				
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				
VC12	1543	Equipment Orientation Code	O	ID	1/1	Used
		Description: Code indicating the direction the equipment is entrained or the lading is loaded; When used to indicate the lading orientation, direction is defined relative to the equipment on which it is loaded				
		All valid standard codes are used.				
VC13	310	Location Identifier	O	AN	1/30	Used
		Description: Code which identifies a specific location				

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.

Loop N1

Pos: 0920	Repeat: 2
Optional	
Loop: N1	Elements: N/A

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>
0920	N1	Party Identification	O	1		Used
0940	N3	Party Location	O	2		Used
0960	N4	Geographic Location	O	1		Used
0980	H3	Special Handling Instructions	O	1		Used

N1 Party Identification

Pos: 0920	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

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

Element Summary:

<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)
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)
CH	Chassis Provider
CN	Consignee
CV	Converter
DM	Destination Mail Facility
DR	Destination Drayman
FW	Forwarder
IM	Importer
MC	Motor Carrier
N1	Notify Party no. 1
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 Pickup Location
PV	Party performing certification
R1	Party to Receive Scale Ticket
RR	Railroad
SF	Ship From
SH	Shipper
SS	Steamship Company
UC	Ultimate Consignee
XQ	Canadian Customs Broker
XR	Mexican Customs Broker
XU	United States Customs Broker
ZS	Monitoring Party
SNP	US Customs & Border Protection Second Notify Party

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)				
		<u>Code</u>		<u>Name</u>		
		2		Standard Carrier Alpha Code (SCAC)		
		17		Automated Broker Interface (ABI) Routing Code		
		AI		Automotive Identifier for Canada Customs		
		C5		Customer Identification File		
		FI		Federal Taxpayer's Identification Number		
		M5		Jurisdiction Code		
N104	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other 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 Party Location

Pos: 0940	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

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 Description: Address information	M	AN	1/55	Must use
N302	166	Address Information Description: Address information	O	AN	1/55	Used

N4 Geographic Location

Pos: 0960	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

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)				
N404	26	Country Code	X	ID	2/3	Used
		Description: Code identifying the country				

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. 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.

H3 Special Handling Instructions

Pos: 0980	Max: 1
Heading - Optional	
Loop: N1	Elements: 1

User Option (Usage): Used

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

Element Summary:

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

Description: Code specifying special transportation handling instructions

<u>Code</u>	<u>Name</u>
IB	In-bond

Syntax Rules:

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

IC Intermodal Chassis Equipment

Pos: 1000	Max: 1
Heading - Optional	
Loop: N7	Elements: 9

User Option (Usage): Used

Purpose: To specify the chassis equipment details in terms of identifying numbers, weights, and ownership

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>
IC01	206	Equipment Initial	M	AN	1/4	Must use
		Description: Prefix or alphabetic part of an equipment unit's identifying number				
IC02	207	Equipment Number	M	AN	1/15	Must use
		Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)				
IC03	167	Tare Weight	X	N0	3/8	Used
		Description: Weight of the equipment				
IC04	571	Tare Qualifier Code	X	ID	1/1	Used
		Description: Code identifying the type of tare All valid standard codes are used.				
IC05	140	Standard Carrier Alpha Code	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
IC06	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)				
IC07	140	Standard Carrier Alpha Code	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
IC08	845	Chassis Type	O	ID	2/2	Used
		Description: Code identifying type of chassis All valid standard codes are used.				
IC09	761	Equipment Number Check Digit	O	N0	1/1	Used
		Description: Number which designates the check digit applied to a piece of equipment				

Syntax Rules:

1. P0304 - If either IC03 or IC04 is present, then the other is required.

Semantics:

1. IC05 is the chassis owner.
2. IC07 is the equipment lessee.
3. IC09 is the equipment check digit for the equipment number in IC02.

IM Intermodal Movement Information

Pos: 1100	Max: 1
Heading - Optional	
Loop: N7	Elements: 3

User Option (Usage): Used

Purpose: To specify the overall movement of a 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>
IM01	533	Water Movement Code	O	ID	1/1	Used
		Description: Code indicating type of water movement All valid standard codes are used.				
IM02	152	Special Handling Code	O	ID	2/3	Used
		Description: Code specifying special transportation handling instructions All valid standard codes are used.				
IM03	534	Inland Transportation Code	O	ID	2/2	Used
		Description: Code identifying inland transportation operations and movements All valid standard codes are used.				

Semantics:

1. IM03 is required if IM02 is "IP" or "XP".

M12 In-bond Identifying Information

Pos: 1200	Max: 2
Heading - Optional	
Loop: N7	Elements: 10

User Option (Usage): Used

Purpose: To transmit in-bond information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
M1201	581	Customs Entry Type Code	M	ID	2/2	Must use
		Description: Code defining the type of entry assigned by U.S. Customs				
M1202	601	Customs Entry Number	X	AN	1/15	Used
		Description: Automated Commercial System Code Furnished by U.S. Customs Service				
M1203	310	Location Identifier	O	AN	1/30	Used
		Description: Code which identifies a specific location				
M1204	310	Location Identifier	O	AN	1/30	Used
		Description: Code which identifies a specific location				
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				
M1208	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification				
		<u>Code</u>		<u>Name</u>		
		BI		Bonded Carrier Internal Revenue Service Identification Number		
		S4		Shippers Bond Number		
		XC		Cargo Control Number		
M1209	127	Reference Identification	X	AN	1/80	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
M1210	91	Transportation Method/Type Code	X	ID	1/2	Used
		Description: Code specifying the method or type of transportation for the shipment				
		<u>Code</u>		<u>Name</u>		
		S		Ocean		
M1211	182	Vessel Name	X	AN	2/28	Used
		Description: Name of ship as documented in "Lloyd's Register of Ships"				

Syntax Rules:

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

Semantics:

1. M1203 is a four-digit numeric census schedule D when identifying a U.S. port, and a three-digit numeric

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

Comments:

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

G4 Scale Identification

Pos: 1300	Max: 1
Heading - Optional	
Loop: N7	Elements: 6

User Option (Usage): Used

Purpose: To identify the scale type and the location and time a shipment is weighed

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>
G401	19	City Name	M	AN	2/30	Must use
		Description: Free-form text for city name				
G402	156	State or Province Code	M	ID	2/2	Must use
		Description: Code (Standard State/Province) as defined by appropriate government agency				
G403	93	Name	O	AN	1/60	Used
		Description: Free-form name				
G404	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
G405	337	Time	O	TM	4/8	Used
		Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)				
G406	570	Scale Type Code	O	ID	1/1	Used
		Description: Code identifying the type of scale All valid standard codes are used.				

Semantics:

1. G403 is the scaling company's name.
2. G404 is the event date.
3. G405 is the event time.

M7**Seal Numbers**

Pos: 1400	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:

<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).

N5 Equipment Ordered

Pos: 1500	Max: 1
Heading - Optional	
Loop: N7	Elements: 5

User Option (Usage): Used

Purpose: To specify carrier 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>
N501	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)				
N502	233	Weight Capacity	O	N0	2/3	Used
		Description: Capacity of car ordered (stated in 1000 pound units or 1000 kilogram units)				
N503	203	Cubic Capacity	O	N0	2/5	Used
		Description: Capacity of car ordered (cubic feet unless otherwise specified)				
N504	301	Car Type Code	O	ID	1/4	Used
		Description: Code specifying type of rail car or intermodal equipment type and its general characteristics				
N506	65	Height	O	R	1/8	Used
		Description: Vertical dimension of an object measured when the object is in the upright position				

Syntax Rules:

1. P0708 - If either N507 or N508 is present, then the other is required.

Comments:

1. N506 is expressed in inches.

Loop E1

Pos: 1610	Repeat: 2
Optional	
Loop: E1	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>
1610	E1	Empty Car Disposition - Pended Destination Consignee	O	1		Used
1620	E4	Empty Car Disposition - Pended Destination City	O	1		Used
1630	E5	Empty Car Disposition - Pended Destination Route	O	13		Used
1640	PI	Price Authority Identification	O	1		Used

E1 Empty Car Disposition - Pended Destination Consignee

Pos: 1610	Max: 1
Heading - Optional	
Loop: E1	Elements: 3

User Option (Usage): Used

Purpose: To identify the 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>
E101	93	Name	M	AN	1/60	Must use
		Description: Free-form name				
E102	66	Identification Code Qualifier	X	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		<u>Code</u>		<u>Name</u>		
		C5		Customer Identification File		
E103	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				

Syntax Rules:

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

E4 Empty Car Disposition - Pended Destination City

Pos: 1620	Max: 1
Heading - Optional	
Loop: E1	Elements: 5

User Option (Usage): Used

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

Element Summary:

<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
		Description: Free-form text for city name				
E402	156	State or Province Code	M	ID	2/2	Must use
		Description: Code (Standard State/Province) as defined by appropriate government agency				
E403	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
E404	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
E405	166	Address Information	O	AN	1/55	Used
		Description: Address information				

E5

Empty Car Disposition - Pended Destination Route

Pos: 1630	Max: 13
Heading - Optional	
Loop: E1	Elements: 4

User Option (Usage): Used

Purpose: To specify the routing of 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>
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

<u>Code</u>	<u>Name</u>
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
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Description: Free-form text for city name

E504	154	Standard Point Location Code	O	ID	6/9	Used
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Description: Code (Standard Point Location) defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city

PI Price Authority Identification

Pos: 1640	Max: 1
Heading - Optional	
Loop: E1	Elements: 16

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PI01	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification				
		<u>Code</u>		<u>Name</u>		
		CT		Contract Number		
		PR		Price Quote Number		
		TS		Tariff Number		
PI02	127	Reference Identification	M	AN	1/80	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
PI03	436	Primary Publication Authority Code	O	ID	2/2	Used
		Description: Code indicating type of external reference All valid standard codes are used.				
PI04	930	Regulatory Agency Code	O	ID	3/5	Used
		Description: Code relating to the regulatory agency governing the price reference				
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				
PI09	173	Tariff Supplement Identifier	O	AN	1/4	Used
		Description: Identifier for the tariff supplement which contains the rate used				
PI10	172	Tariff Section Number	O	AN	1/2	Used
		Description: Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff				
PI11	660	Contract Suffix	O	AN	1/2	Used
		Description: Used to identify a type of contract				
PI12	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
PI13	373	Date	O	DT	8/8	Used

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

PI14	629	Alternation Precedence Code	O	ID	1/1	Used
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Description: Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual carrier rules and procedures shall govern

All valid standard codes are used.

PI15	629	Alternation Precedence Code	O	ID	1/1	Used
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Description: Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual carrier rules and procedures shall govern

All valid standard codes are used.

PI16	284	Service Level Code	O	ID	2/2	Used
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Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier

All valid standard codes are used.

Semantics:

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

GA**Canadian Grain Information**

Pos: 1650	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:**

<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
		Description: Code indicating whether product has been fumigated and/or cleaned All valid standard codes are used.				
GA02	22	Commodity Code	O	AN	1/30	Used
		Description: Code describing a commodity or group of commodities				
GA03	1576	Inspected/Weighed Indicator Code	O	ID	1/2	Used
		Description: Code indicating whether product has been inspected and/or weighed All valid standard codes are used.				
GA04	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification				
		Code		Name		
		BO		Bin Location Number		
		CW		Canadian Wheat Board Permit Number		
		DK		Dock Number		
		EP		Export Permit Number		
		GB		Grain Block Number		
		GR		Grain Order Reference Number		
		OH		Origin House		
		PN		Permit Number		
		RB		Rate code number		
		RN		Run Number		
		XO		Sample Number		
		ZT		Milling in Transit		
GA05	127	Reference Identification	X	AN	1/80	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
GA06	642	Week	O	N0	6/6	Used
		Description: Week expressed as year/week (CCYYWW), where week is a number between 01 and 53 inclusive				
GA07	899	Unload Terminal Elevator Code	O	ID	3/4	Used
		Description: Code specifying the unloading terminal elevator at grain exporting terminals				
GA08	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
GA09	1470	Number	O	N0	1/9	Used
		Description: A generic number				
GA10	1276	Machine Separable Indicator Code	O	ID	2/2	Used
		Description: Canadian Grain Commission grain code identifying the type of grain that must be				

		separated				
GA11	1277	Canadian Wheat Board (CWB) Marketing Class Code	O	ID	1/1	Used
		Description: Code identifying the Canadian Wheat Board market class of the grain All valid standard codes are used.				
GA12	1278	Canadian Wheat Board (CWB) Marketing Class Type Code	O	ID	1/1	Used
		Description: Code identifying Canadian Wheat Board market class type All valid standard codes are used.				
GA13	1073	Yes/No Condition or Response Code	O	ID	1/1	Used
		Description: Code indicating a Yes or No condition or response				
		<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		
		SG		Test Weight		
GA17	954	Percentage as Decimal	X	R	1/10	Used
		Description: Percentage expressed as a decimal (e.g., 0.0 through 1.0 represents 0% through 100%)				

Syntax Rules:

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

Semantics:

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

Comments:

1. GA02 contains the Canadian Grain Commission Commodity Code for terminal elevator accounting.

2. GA05 is used for grain block number.

Loop REF

Pos: 1670	Repeat: 99
Optional	
Loop: REF	Elements: N/A

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>
1670	REF	Reference Information	O	1		Used
1675	N9	Extended Reference Information	O	10		Used
1680	N10	Quantity and Description	O	15		Used
1690		Loop N1	O		5	Used

REF Reference Information

Pos: 1670	Max: 1
Heading - Optional	
Loop: REF	Elements: 2

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
OB	Ocean Bill of Lading
XC	Cargo Control Number
XP	Previous Cargo Control Number
CUB	U.S. Customs Service (USCS) Bill of Lading Number

REF02	127	Reference Identification	X	AN	1/80	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 contains data relating to the value cited in REF02.

N9 Extended Reference Information

Pos: 1675	Max: 10
Heading - Optional	
Loop: REF	Elements: 2

User Option (Usage): Used

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

<u>Code</u>	<u>Name</u>
XC	Cargo Control Number
XP	Previous Cargo Control Number
CUB	U.S. Customs Service (USCS) Bill of Lading Number

N902	127	Reference Identification	X	AN	1/80	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 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.

N10 Quantity and Description

Pos: 1680	Max: 15
Heading - Optional	
Loop: REF	Elements: 13

User Option (Usage): Used

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

Element Summary:

<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				
N1002	369	Free-form Description	O	AN	1/45	Used
		Description: Free-form descriptive text				
N1003	87	Marks and Numbers	O	AN	1/48	Used
		Description: Marks and numbers used to identify a shipment or parts of a shipment				
N1004	23	Commodity Code Qualifier	X	ID	1/1	Used
		Description: Code identifying the commodity coding system used for Commodity Code				
		<u>Code</u>		<u>Name</u>		
		J		Harmonized System-Based Schedule B		
N1005	22	Commodity Code	X	AN	1/30	Used
		Description: Code describing a commodity or group of commodities				
N1006	602	Customs Shipment Value	X	AN	2/8	Used
		Description: Customs value in whole dollars				
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				
N1009	127	Reference Identification	O	AN	1/80	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
N1010	599	Manifest Unit Code	O	ID	1/3	Used
		Description: Code defining the smallest package unit for the bill of lading				
N1011	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
N1012	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
N1013	100	Currency Code	O	ID	3/3	Used
		Description: Code (Standard ISO) for country in whose currency the charges are specified				

Syntax Rules:

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

Semantics:

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

Loop N1

Pos: 1690	Repeat: 5
Optional	
Loop: N1	Elements: N/A

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>
1690	N1	Party Identification	O	1		Used
1700	N3	Party Location	O	1		Used
1720	N4	Geographic Location	O	1		Used

N1 Party Identification

Pos: 1690	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

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

Element Summary:

<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>
BN	Beneficial Owner
C1	In Care Of Party no. 1
CB	Customs Broker
CD	Consignee (To Receive Mail and Small Parcels)
CN	Consignee
IM	Importer
N1	Notify Party no. 1
N2	Notify Party no. 2
OO	Order Of (Shippers Orders) - (Transportation)
SF	Ship From
SH	Shipper
UC	Ultimate Consignee
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	1/60	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)
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

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: 1700	Max: 1
Heading - Optional	
Loop: N1	Elements: 2

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 Description: Address information	M	AN	1/55	Must use
N302	166	Address Information Description: Address information	O	AN	1/55	Used

N4 Geographic Location

Pos: 1720	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

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)				
N404	26	Country Code	X	ID	2/3	Used
		Description: Code identifying the country				

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. 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.

IMA Interchange Move Authority

Pos: 1750	Max: 3
Heading - Optional	
Loop: N7	Elements: 4

User Option (Usage): Used

Purpose: To identify the transportation interchange authority

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>
IMA01	748	Movement Authority Code	M	ID	1/2	Must use

Description: Code indicating the interchange authority

<u>Code</u>	<u>Name</u>
A	Released From Bad Order
B	Bad Order Setback
C	Car Not Weighed
D	Empty Received as a Load
E	Embargoed Shipment
G	Refused by Customer - Unneeded
I	Interchanged in Error
L	Not in Compliance With Special Car Order 90 or Special Car Order 100 Empty
N	No Record Rights
O	Overweight Shipment
P	Intermediate Switch Carrier
R	Refused by Customer - Unfit
S	Car Applied to Shipper Car Order - Place for Loading
T	Transfer or Adjustment of Lading Car Service Rate 10, Sections 1 & 2
W	No Waybill
X	Association of American Railroads Restriction
DS	Destination Switch Move
HM	Haulage Movement
NC	No Clearance
NU	Not on Universal Machine Language Equipment Register
OA	Old Age (Over-age)
OS	Origin Switch Move
RB	RBOX or RGON Exception

IMA02	140	Standard Carrier Alpha Code	O	ID	2/4	Used
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Description: Standard Carrier Alpha Code

IMA03	257	Tariff Application Code	O	ID	1/1	Used
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Description: Code indicating to which traffic a tariff applies

<u>Code</u>	<u>Name</u>
D	Reciprocal
E	Intraterminal
F	Interterminal

IMA04	257	Tariff Application Code	O	ID	1/1	Used
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Description: Code indicating to which traffic a tariff applies

<u>Code</u>	<u>Name</u>
N	Interstate
S	Intrastate

Semantics:

1. IMA02 is the Standard Carrier Alpha Code (SCAC) of entity responsible for the movement authority in the IMA01.
2. IMA03 defines if the associated move is reciprocal, interterminal, or intraterminal.
3. IMA04 defines if the associated move is interstate or intrastate.

N8 Waybill Reference

Pos: 1800	Max: 499
Heading - Mandatory	
Loop: N/A	Elements: 9

User Option (Usage): Must use

Purpose: To identify the waybill and to specify the equipment used and the destination 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>
N801	186	Waybill Number	M	NO	1/6	Must use
		Description: Carrier accounting number of the waybill for the inbound movement				
N802	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
N803	231	Cross Reference Type Code	X	ID	1/1	Used
		Description: Code defining relationship of equipment to equipment cross-referenced				
		Code		Name		
		A		Additional Equipment for Manifest Billing		
		B		Basket Attached to Chassis (to hold generator set)		
		C		Prior Load Credit		
		G		Reference to Lead Equipment for Manifest Billing		
		H		Generator Set		
		K		Clip-on Front-Mounted Generator Unit For Container		
		L		Lead Car		
		M		Mated		
		T		Trailer		
		X		Transfer Load		
N804	206	Equipment Initial	X	AN	1/4	Used
		Description: Prefix or alphabetic part of an equipment unit's identifying number				
N805	207	Equipment Number	X	AN	1/15	Used
		Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)				
N806	186	Waybill Number	X	NO	1/6	Used
		Description: Carrier accounting number of the waybill for the inbound movement				
N807	373	Date	X	DT	8/8	Used
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
N808	19	City Name	X	AN	2/30	Used
		Description: Free-form text for city name				
N809	156	State or Province Code	X	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				

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.

N8A Additional Reference Information

Pos: 1810	Max: 499
Heading - Optional	
Loop: N/A	Elements: 10

User Option (Usage): Used

Purpose: To identify additional station and waybill or station, or waybill information pertaining to revenue waybill

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>
N8A01	1378	Waybill Cross-Reference Code	O	ID	2/2	Used
		Description: Code to cross-reference the type of revenue waybill to a previously submitted waybill				
		<u>Code</u>		<u>Name</u>		
		W5		Diversion		
		W6		Error Move		
N8A02	186	Waybill Number	O	N0	1/6	Used
		Description: Carrier accounting number of the waybill for the inbound movement				
N8A03	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
N8A04	127	Reference Identification	O	AN	1/80	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
N8A05	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
N8A06	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N8A07	140	Standard Carrier Alpha Code	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
N8A08	573	Freight Station Accounting Code	O	ID	1/5	Used
		Description: Code (Freight Station Accounting) (AAR Managed Code for Locations)				
N8A09	206	Equipment Initial	O	AN	1/4	Used
		Description: Prefix or alphabetic part of an equipment unit's identifying number				
N8A10	207	Equipment Number	O	AN	1/15	Used
		Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)				

Semantics:

1. N8A03 is the date of the waybill in N8A02.
2. N8A04 is the unique revenue reference waybill identification number (URRWIN).
3. N8A05 and N806 identifies the location based on the code in N8A01.
4. N8A07 and N8A08 identify the carrier associated with the N8A01.

F9 Origin Station

Pos: 2000	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 9

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>
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				
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)				
F906	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
F907	156	State or Province Code	O	ID	2/2	Used
		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 National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city				
F909	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
F910	154	Standard Point Location Code	O	ID	6/9	Used
		Description: Code (Standard Point Location) defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city				

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: 2100	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 9

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>
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				
D903	156	State or Province Code	M	ID	2/2	Must use
		Description: Code (Standard State/Province) as defined by appropriate government agency				
D905	573	Freight Station Accounting Code	O	ID	1/5	Used
		Description: Code (Freight Station Accounting) (AAR Managed Code for Locations)				
D906	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
D907	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
D908	154	Standard Point Location Code	O	ID	6/9	Used
		Description: Code (Standard Point Location) defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city				
D909	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
D910	154	Standard Point Location Code	O	ID	6/9	Used
		Description: Code (Standard Point Location) defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city				

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 N1

Pos: 2200	Repeat: 15
Mandatory	
Loop: N1	Elements: N/A

User Option (Usage): Must use

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
2200	N1	Party Identification	M	1		Must use
2250	N2	Additional Name Information	O	2		Used
2300	N3	Party Location	O	2		Used
2400	N4	Geographic Location	O	1		Used
2450	REF	Reference Information	O	2		Used
2500	PER	Administrative Communications Contact	O	2		Used
2620	BL	Billing Information	O	12		Used

N1 Party Identification

Pos: 2200	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

User Option (Usage): Must use

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

Element Summary:

<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)
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)
CH	Chassis Provider
CN	Consignee
CV	Converter
DM	Destination Mail Facility
DR	Destination Drayman
FW	Forwarder
IM	Importer
MC	Motor Carrier
N1	Notify Party no. 1
NC	Cross-Town Switch
NP	Notify Party for Shipper's Order
OM	Origin Mail Facility
OO	Order Of (Shippers Orders) - (Transportation)
OR	Origin Drayman
PF	Party to Receive Freight Bill
PJ	Party to Receive Correspondence
PU	Party at Pickup Location
PV	Party performing certification
R1	Party to Receive Scale Ticket
RR	Railroad
SF	Ship From
SH	Shipper
SS	Steamship Company
UC	Ultimate Consignee
UQ	Subsequent Owner
XQ	Canadian Customs Broker
XR	Mexican Customs Broker
XU	United States Customs Broker
ZS	Monitoring Party
SNP	US Customs & Border Protection Second Notify Party

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)				
		<u>Code</u>		<u>Name</u>		
		2		Standard Carrier Alpha Code (SCAC)		
		17		Automated Broker Interface (ABI) Routing Code		
		AI		Automotive Identifier for Canada Customs		
		BF		Broker Filer ID		
		BN		Canada Customs & Revenue Agency (CCRA) Business Number		
		C5		Customer Identification File		
		FI		Federal Taxpayer's Identification Number		
		M5		Jurisdiction Code		
N104	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other 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: 2250	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

User Option (Usage): Used
Purpose: To specify additional names

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 Description: Free-form name	M	AN	1/60	Must use
N202	93	Name Description: Free-form name	O	AN	1/60	Used

N3 Party Location

Pos: 2300	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

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 Description: Address information	M	AN	1/55	Must use
N302	166	Address Information Description: Address information	O	AN	1/55	Used

N4 Geographic Location

Pos: 2400	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

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)				
N404	26	Country Code	X	ID	2/3	Used
		Description: Code identifying the country				

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. 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.

REF Reference Information

Pos: 2450	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

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
OB	Ocean Bill of Lading
XC	Cargo Control Number
XP	Previous Cargo Control Number
CUB	U.S. Customs Service (USCS) Bill of Lading Number

REF02	127	Reference Identification	X	AN	1/80	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 contains data relating to the value cited in REF02.

PER Administrative Communications Contact

Pos: 2500	Max: 2
Heading - Optional	
Loop: N1	Elements: 8

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>			
		AD	Accounting Department			
		AS	Authorized Signature			
		BC	Broker Contact			
		DC	Delivery Contact			
		EC	Emergency Contact-Shipper			
		FC	Forwarder Contact			
		IC	Information Contact			
		NT	Notification Contact			
		SH	Shipper Contact			
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						
		<u>Code</u>	<u>Name</u>			
		EM	Electronic Mail			
		FX	Facsimile			
		TE	Telephone			
PER04	364	Communication Number	X	AN	1/256	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						
		<u>Code</u>	<u>Name</u>			
		EM	Electronic Mail			
		FX	Facsimile			
		TE	Telephone			
PER06	364	Communication Number	X	AN	1/256	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						
		<u>Code</u>	<u>Name</u>			
		EM	Electronic Mail			
		FX	Facsimile			
		TE	Telephone			

PER08 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.

BL**Billing Information**

Pos: 2620	Max: 12
Heading - Optional	
Loop: N1	Elements: 17

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

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BL01	747	Rebill Reason Code	M	ID	2/2	Must use
		Description: Code identifying reason for rebill				
		Code		Name		
		RC		R11 Collect Beyond		
BL02	573	Freight Station Accounting Code	X	ID	1/5	Used
		Description: Code (Freight Station Accounting) (AAR Managed Code for Locations)				
BL03	573	Freight Station Accounting Code	X	ID	1/5	Used
		Description: Code (Freight Station Accounting) (AAR Managed Code for Locations)				
BL04	154	Standard Point Location Code	O	ID	6/9	Used
		Description: Code (Standard Point Location) defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city				
BL05	19	City Name	X	AN	2/30	Used
		Description: Free-form text for city name				
BL06	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
BL07	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
BL08	154	Standard Point Location Code	O	ID	6/9	Used
		Description: Code (Standard Point Location) defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city				
BL09	19	City Name	X	AN	2/30	Used
		Description: Free-form text for city name				
BL10	156	State or Province Code	O	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
BL11	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
BL12	140	Standard Carrier Alpha Code	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
BL13	140	Standard Carrier Alpha Code	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
BL14	140	Standard Carrier Alpha Code	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				

BL15	140	Standard Carrier Alpha Code	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
BL16	140	Standard Carrier Alpha Code	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
BL17	140	Standard Carrier Alpha Code	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				

Syntax Rules:

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

Semantics:

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

R2 Route Information

Pos: 4700	Max: 13
Heading - Mandatory	
Loop: N/A	Elements: 7

User Option (Usage): Must use

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
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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
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)
H	Haulage Rights Carrier and Junction
I	Origin Switch Carrier
M	Haulage Movement Carrier and Junction
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
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Description: Free-form text for city name

R204	154	Standard Point Location Code	O	ID	6/9	Used
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Description: Code (Standard Point Location) defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city

R205	177	Intermodal Service Code	O	ID	1/2	Used
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Description: Code identifying the Intermodal Service Plan

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)

R208	296	Intermediate Switch Carrier	O	ID	2/4	Used
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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)

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.

R9

Route Code Identification

Pos: 4850	Max: 1
Heading - Optional	
Loop: N/A	Elements: 1

User Option (Usage): Used

Purpose: To specify the route using a single 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>
R901	1	Route Code	M	AN	1/13	Must use

Description: Mutually defined route code

Syntax Rules:

1. C0905 - If R909 is present, then R905 is required.

Semantics:

1. R904 is used to identify the Standard Carrier Alpha Code (SCAC) of the delivery switch carrier.
2. R906 is the route source.
3. If R907 is "Y", then this is a pricing (revenue) route. If "N", then this is an operating route.
4. If R908 is "Y", then this is a local move. If "N", then this is an interline move.
5. R909 is the new route code of the expired route code in R901. If used R905 must = "E"

Loop E1

Pos: 4900	Repeat: 2
Optional	
Loop: E1	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>
4900	E1	Empty Car Disposition - Pended Destination Consignee	O	1		Used
5000	E4	Empty Car Disposition - Pended Destination City	O	1		Used
5100	E5	Empty Car Disposition - Pended Destination Route	O	13		Used
5110	PI	Price Authority Identification	O	1		Used

E1 Empty Car Disposition - Pended Destination Consignee

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

User Option (Usage): Used

Purpose: To identify the party receiving the empty car

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
E101	93	Name	M	AN	1/60	Must use
		Description: Free-form name				
E102	66	Identification Code Qualifier	X	ID	1/2	Used
		Description: Code designating the system/method of code structure used for Identification Code (67)				
		<u>Code</u>		<u>Name</u>		
		C5		Customer Identification File		
E103	67	Identification Code	X	AN	2/80	Used
		Description: Code identifying a party or other code				

Syntax Rules:

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

E4 Empty Car Disposition - Pended Destination City

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

User Option (Usage): Used

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

Element Summary:

<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
		Description: Free-form text for city name				
E402	156	State or Province Code	M	ID	2/2	Must use
		Description: Code (Standard State/Province) as defined by appropriate government agency				
E403	116	Postal Code	O	ID	3/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
E404	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
E405	166	Address Information	O	AN	1/55	Used
		Description: Address information				

E5

Empty Car Disposition - Pended Destination Route

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

User Option (Usage): Used

Purpose: To specify the routing of the empty car

Element Summary:

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

<u>Code</u>	<u>Name</u>
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
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Description: Free-form text for city name

E504	154	Standard Point Location Code	O	ID	6/9	Used
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Description: Code (Standard Point Location) defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city

PI Price Authority Identification

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

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PI01	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification				
		<u>Code</u>		<u>Name</u>		
		CT		Contract Number		
		PR		Price Quote Number		
		TS		Tariff Number		
PI02	127	Reference Identification	M	AN	1/80	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
PI03	436	Primary Publication Authority Code	O	ID	2/2	Used
		Description: Code indicating type of external reference All valid standard codes are used.				
PI04	930	Regulatory Agency Code	O	ID	3/5	Used
		Description: Code relating to the regulatory agency governing the price reference				
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				
PI09	173	Tariff Supplement Identifier	O	AN	1/4	Used
		Description: Identifier for the tariff supplement which contains the rate used				
PI10	172	Tariff Section Number	O	AN	1/2	Used
		Description: Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff				
PI11	660	Contract Suffix	O	AN	1/2	Used
		Description: Used to identify a type of contract				
PI12	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
PI13	373	Date	O	DT	8/8	Used

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

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

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

All valid standard codes are used.

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

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

All valid standard codes are used.

PI16	284	Service Level Code	O	ID	2/2	Used
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Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier

All valid standard codes are used.

Semantics:

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

H3 Special Handling Instructions

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

User Option (Usage): Used

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

Element Summary:

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

Description: Code specifying special transportation handling instructions

<u>Code</u>	<u>Name</u>
IB	In-bond

Syntax Rules:

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

PS Protective Service Instructions

Pos: 5300	Max: 5
Heading - Optional	
Loop: N/A	Elements: 13

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

		N	No				
		Y	Yes				
PS12	1073	Yes/No Condition or Response Code		O	ID	1/1	Used
		Description: Code indicating a Yes or No condition or response					
		<u>Code</u>	<u>Name</u>				
		N	No				
		Y	Yes				
PS13	1073	Yes/No Condition or Response Code		O	ID	1/1	Used
		Description: Code indicating a Yes or No condition or response					
		<u>Code</u>	<u>Name</u>				
		N	No				
		Y	Yes				
PS14	408	Temperature		X	R	1/4	Used
		Description: Temperature					

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 LX

Pos: 5400	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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
5400	LX	Transaction Set Line Number	M	1		Must use
5500	L5	Description, Marks and Numbers	M	15		Must use
5700		Loop L0	O		25	Used
5950	X1	Export License	O	6		Used

LX Transaction Set Line Number

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

User Option (Usage): Must use

Purpose: To reference a line number in a transaction set

Element Summary:

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

Description: Number assigned for differentiation within a transaction set

L5**Description, Marks and Numbers**

Pos: 5500	Max: 15
Heading - Mandatory	
Loop: LX	Elements: 10

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

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L501	213	Lading Line Item Number	O	NO	1/3	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				
		<u>Code</u>		<u>Name</u>		
		3		Empty Non-hazardous Last Contained (HMRC) Code		
		L		Last Contained Contents STCC		
		T		Standard Transportation Commodity Code (STCC)		
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 All valid standard codes are used.				
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 All valid standard codes are used.				
L509	22	Commodity Code	X	AN	1/30	Used
		Description: Code describing a commodity or group of commodities				
L510	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.				

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 L0

Pos: 5700 Repeat: 25
 Optional
 Loop: L0 Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
5700	L0	Line Item - Quantity and Weight	O	1		Used
5750	MEA	Measurements	O	3		Used
5900		Loop PI	O		30	Used

L0

Line Item - Quantity and Weight

Pos: 5700	Max: 1
Heading - Optional	
Loop: L0	Elements: 15

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	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				
		<u>Code</u>		<u>Name</u>		
		DM		Miles		
		GL		Gallon		
		ND		Cord		
		NP		Piece		
		NU		Unit		
		NV		Vehicle		
L004	81	Weight	X	R	1/10	Used
		Description: Numeric value of weight				
L005	187	Weight Qualifier	X	ID	1/2	Used
		Description: Code defining the type of weight				
		<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		
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				
		<u>Code</u>		<u>Name</u>		
		D		Cord		

		E	Cubic Feet				
		F	100 Board Feet				
		G	Gallons				
		T	Container				
		U	Volumetric Unit				
		V	Liter				
L008	80	Lading Quantity		X	NO	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.

MEA Measurements

Pos: 5750	Max: 3
Heading - Optional	
Loop: L0	Elements: 12

User Option (Usage): Used

Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights(See Figures Appendix for example of use of C001)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
MEA01	737	Measurement Reference ID Code	O	ID	2/2	Used
Description: Code identifying the broad category to which a measurement applies						
		<u>Code</u>	<u>Name</u>			
		BD	Billed Dimensions			
MEA02	738	Measurement Qualifier	O	ID	1/3	Used
Description: Code identifying a specific product or process characteristic to which a measurement applies						
		<u>Code</u>	<u>Name</u>			
		HT	Height			
		LN	Length			
		WD	Width			
MEA03	739	Measurement Value	X	R	1/20	Used
Description: The value of the measurement						
MEA04	C001	Composite Unit of Measure	X	Comp		Used
Description: To identify a composite unit of measure(See Figures Appendix for examples of use)						
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						
		<u>Code</u>	<u>Name</u>			
		IN	Inch			
1018		Exponent	O	R	1/15	Used
Description: Power to which a unit is raised						
649		Multiplier	O	R	1/10	Used
Description: Value to be used as a multiplier to obtain a new value						
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						
		<u>Code</u>	<u>Name</u>			
		IN	Inch			
1018		Exponent	O	R	1/15	Used
Description: Power to which a unit is raised						
649		Multiplier	O	R	1/10	Used
Description: Value to be used as a multiplier to obtain a new value						
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**
IN Inch

1018 **Exponent** O R 1/15 Used
Description: Power to which a unit is raised

649 **Multiplier** O R 1/10 Used
Description: Value to be used as a multiplier to obtain a new value

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**
IN Inch

1018 **Exponent** O R 1/15 Used
Description: Power to which a unit is raised

649 **Multiplier** O R 1/10 Used
Description: Value to be used as a multiplier to obtain a new value

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**
IN Inch

1018 **Exponent** O R 1/15 Used
Description: Power to which a unit is raised

649 **Multiplier** O R 1/10 Used
Description: Value to be used as a multiplier to obtain a new value

MEA05 740 **Range Minimum** X R 1/20 Used
Description: The value specifying the minimum of the measurement range

MEA06 741 **Range Maximum** X R 1/20 Used
Description: The value specifying the maximum of the measurement range

MEA07 935 **Measurement Significance Code** O ID 2/2 Used
Description: Code used to benchmark, qualify or further define a measurement value
All valid standard codes are used.

MEA08 936 **Measurement Attribute Code** X ID 2/2 Used
Description: Code used to express an attribute response when a numeric measurement value cannot be determined
All valid standard codes are used.

MEA09 752 **Surface/Layer/Position Code** O ID 2/2 Used
Description: Code indicating the product surface, layer or position that is being described
All valid standard codes are used.

MEA10 1373 **Measurement Method or Device** O ID 2/4 Used
Description: The method or device used to record the measurement
All valid standard codes are used.

MEA11	1270	Code List Qualifier Code	X	ID	1/3	Used
Description: Code identifying a specific industry code list All valid standard codes are used.						
MEA12	1271	Industry Code	X	AN	1/30	Used
Description: Code indicating a code from a specific industry code list						

Syntax Rules:

1. R03050608 - At least one of MEA03, MEA05, MEA06 or MEA08 is required.
2. E0412 - Only one of MEA04 or MEA12 may be present.
3. L050412 - If MEA05 is present, then at least one of MEA04 or MEA12 is required.
4. L060412 - If MEA06 is present, then at least one of MEA04 or MEA12 is required.
5. L07030506 - If MEA07 is present, then at least one of MEA03, MEA05 or MEA06 is required.
6. E0803 - Only one of MEA08 or MEA03 may be present.
7. P1112 - If either MEA11 or MEA12 is present, then the other is required.

Semantics:

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

Comments:

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

Loop PI

Pos: 5900	Repeat: 30
Optional	
Loop: PI	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
5900	PI	Price Authority Identification	O	1		Used
5920	CD	Shipment Conditions	O	10		Used

PI Price Authority Identification

Pos: 5900	Max: 1
Heading - Optional	
Loop: PI	Elements: 16

User Option (Usage): Used

Purpose: To communicate basis of pricing, such as contract number, quote number, or tariff 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>
PI01	128	Reference Identification Qualifier	M	ID	2/3	Must use
		Description: Code qualifying the Reference Identification				
		<u>Code</u>		<u>Name</u>		
		CT		Contract Number		
		PR		Price Quote Number		
		TS		Tariff Number		
PI02	127	Reference Identification	M	AN	1/80	Must use
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				
PI03	436	Primary Publication Authority Code	O	ID	2/2	Used
		Description: Code indicating type of external reference All valid standard codes are used.				
PI04	930	Regulatory Agency Code	O	ID	3/5	Used
		Description: Code relating to the regulatory agency governing the price reference				
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				
PI09	173	Tariff Supplement Identifier	O	AN	1/4	Used
		Description: Identifier for the tariff supplement which contains the rate used				
PI10	172	Tariff Section Number	O	AN	1/2	Used
		Description: Number used as an extension of the basic tariff number to identify the rates published within specific sections of the tariff				
PI11	660	Contract Suffix	O	AN	1/2	Used
		Description: Used to identify a type of contract				
PI12	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
PI13	373	Date	O	DT	8/8	Used

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

PI14	629	Alternation Precedence Code	O	ID	1/1	Used
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Description: Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual carrier rules and procedures shall govern

All valid standard codes are used.

PI15	629	Alternation Precedence Code	O	ID	1/1	Used
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Description: Code identifying the priority of rate application when two or more rates apply to a given movement; if rate application includes two or more rates of the same value for this element, individual carrier rules and procedures shall govern

All valid standard codes are used.

PI16	284	Service Level Code	O	ID	2/2	Used
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Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier

All valid standard codes are used.

Semantics:

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

CD Shipment Conditions

Pos: 5920	Max: 10
Heading - Optional	
Loop: PI	Elements: 11

User Option (Usage): Used

Purpose: To specify condition restrictions or provisions applicable to the rate docket

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>
CD01	495	Condition Segment Logical Connector	M	AN	1/3	Must use
		Description: Code indicating how a specific segment's statement of a rate restriction is evaluated, and its relationship to rate restrictions stated within other segments of the same segment definition.				
CD02	498	Condition Code	X	ID	4/4	Used
		Description: Code defined in the official railway equipment register which identifies the type of restriction or provision applicable to a rate; when combined with element 499, a specific rate restriction or provision is represented				
CD03	499	Condition Value	O	AN	1/10	Used
		Description: Identifies rate restrictions or provisions				
CD04	499	Condition Value	O	AN	1/10	Used
		Description: Identifies rate restrictions or provisions				
CD05	499	Condition Value	O	AN	1/10	Used
		Description: Identifies rate restrictions or provisions				
CD06	554	Assigned Number	O	N0	1/6	Used
		Description: Number assigned for differentiation within a transaction set				
CD07	259	Change Type Code	O	ID	1/1	Used
		Description: Code indicating change type All valid standard codes are used.				
CD08	140	Standard Carrier Alpha Code	X	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
CD09	697	Docket Control Number	X	AN	1/7	Used
		Description: A grouping identification which, when combined with elements 140 and 690, provides a unique identity to a parcel of ratemaking activity				
CD10	690	Docket Identification	X	AN	1/11	Used
		Description: A sequence number which, when combined with elements 140 and 697, provides a unique identity to a parcel of ratemaking activity				
CD11	260	Group Title	O	AN	2/30	Used
		Description: The descriptive title of a data group				

Syntax Rules:

1. E0208 - Only one of CD02 or CD08 may be present.
2. C0302 - If CD03 is present, then CD02 is required.
3. C0402 - If CD04 is present, then CD02 is required.
4. C0502 - If CD05 is present, then CD02 is required.
5. P080910 - If either CD08, CD09 or CD10 are present, then the others are required.
6. C11080910 - If CD11 is present, then CD08, CD09 and CD10 are required.

Semantics:

1. CD08 is the Standard Carrier Alpha Code (SCAC) of the group docket owner.

X1**Export License**

Pos: 5950	Max: 6
Heading - Optional	
Loop: LX	Elements: 17

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

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

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

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

X102	50	Export License Number	O	AN	6/35	Used
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Description: Government assigned identification number for exporter

X103	51	Export License Status Code	O	ID	1/1	Used
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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
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Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

X105	52	Export License Symbol Code	O	ID	1/2	Used
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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 Possessions except Virgin Islands				
		UR	Automated Export System (AES) Unreported Low Value Shipment				
X106	48	Export License Control Code		O	ID	1/1	Used
		Description: Code indicating the type of control applicable to the export license All valid standard codes are used.					
X107	26	Country Code		O	ID	2/3	Used
		Description: Code identifying the country					
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					
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					
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 All valid standard codes are used.					
X114	212	Unit Price		O	R	1/17	Used
		Description: Price per unit of product, service, commodity, etc.					
X115	1306	U.S. Government License Type		O	AN	1/1	Used
		Description: Code to identify the type of government license involved					
X116	67	Identification Code		O	AN	2/80	Used
		Description: Code identifying a party or other code					
X117	310	Location Identifier		O	AN	1/30	Used
		Description: Code which identifies a specific location					

Semantics:

1. X104 is the export license expiration date.
2. X116 is the export classification code number (ECCN).

3. X117 is the Schedule D designation for the central location where the Shipper Export Declarations (SEDs) have been batch filed.

Loop T1

Pos: 6000	Repeat: 64
Optional	
Loop: T1	Elements: N/A

User Option (Usage): Used

Purpose: To specify origin point and waybill references of movement to transit waybill point

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>
6000	T1	Transit Inbound Origin	O	1		Used
6100	T2	Transit Inbound Lading	O	30		Used
6200	T3	Transit Inbound Route	O	12		Used
6300	T6	Transit Inbound Rates	O	1		Used
6400	T8	Free-form Transit Data	O	99		Used

T1

Transit Inbound Origin

Pos: 6000	Max: 1
Heading - Optional	
Loop: T1	Elements: 11

User Option (Usage): Used**Purpose:** To specify origin point and waybill references of movement to transit waybill point**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>
T101	554	Assigned Number	M	N0	1/6	Must use
		Description: Number assigned for differentiation within a transaction set				
T102	186	Waybill Number	O	N0	1/6	Used
		Description: Carrier accounting number of the waybill for the inbound movement				
T103	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
T104	140	Standard Carrier Alpha Code	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
T105	19	City Name	X	AN	2/30	Used
		Description: Free-form text for city name				
T106	156	State or Province Code	X	ID	2/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
T107	154	Standard Point Location Code	O	ID	6/9	Used
		Description: Code (Standard Point Location) defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city				
T108	229	Transit Registration Number	O	AN	1/6	Used
		Description: Freight bill or bureau number used to identify a transit shipment				
T109	461	Transit Level Code	O	ID	1/3	Used
		Description: Code indicating level of inbound transit references All valid standard codes are used.				
T110	128	Reference Identification Qualifier	X	ID	2/3	Used
		Description: Code qualifying the Reference Identification				
		<u>Code</u>	<u>Name</u>			
		BL	Government Bill of Lading			
		BM	Bill of Lading Number			
		BN	Booking Number			
		CO	Customer Order Number			
		CR	Customer Reference Number			
		OB	Ocean Bill of Lading			
		SI	Shipper's Identifying Number for Shipment (SID)			
T111	127	Reference Identification	X	AN	1/80	Used
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

1. P0506 - If either T105 or T106 is present, then the other is required.

2. P1011 - If either T110 or T111 is present, then the other is required.

Semantics:

1. Related T1, T2, and T3 segments have the same transit sequence number value in the first data element.
2. T102 will contain the inbound shipment waybill numbers.
3. T103 will contain the inbound shipment waybill date.
4. T104 is the Standard Carrier Alpha Code (SCAC) of the origin carrier.
5. T105 is the origin station for movement.
6. T110 and T111 are used on local transit only, to convey the previous Inbound Transit Bill of Lading Number or Shipment Identification Number.

T2 Transit Inbound Lading

Pos: 6100	Max: 30
Heading - Optional	
Loop: T1	Elements: 12

User Option (Usage): Used

Purpose: To specify lading description, including weight and rate details applying to the associated T1 segment

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>
T201	554	Assigned Number	M	N0	1/6	Must use
		Description: Number assigned for differentiation within a transaction set				
T202	79	Lading Description	O	AN	1/50	Used
		Description: Description of an item as required for rating and billing purposes				
T203	81	Weight	O	R	1/10	Used
		Description: Numeric value of weight				
T204	187	Weight Qualifier	O	ID	1/2	Used
		Description: Code defining the type of weight				
		<u>Code</u>		<u>Name</u>		
		B		Billed Weight		
		E		Estimated Net Weight		
		G		Gross Weight		
		K		Clean Out		
		M		Minimum Weight (for rate)		
		N		Actual Net Weight		
		O		Excess Weight Over Maximum		
		X		Maximum Weight (for Rate)		
T205	60	Freight Rate	X	R	1/9	Used
		Description: Rate that applies to the specific commodity				
T206	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.				
T207	60	Freight Rate	X	R	1/9	Used
		Description: Rate that applies to the specific commodity				
T208	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.				
T209	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
T210	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
T211	462	Through Surcharge Percent	O	N2	2/4	Used
		Description: Percentage of through freight charges to be charged extra as a surcharge				
T212	463	Paid-In Surcharge Percent	O	N2	2/4	Used
		Description: Percentage of paid-in freight charges to be charged extra as a surcharge				

Syntax Rules:

1. P0506 - If either T205 or T206 is present, then the other is required.
2. P0708 - If either T207 or T208 is present, then the other is required.

Semantics:

1. T203 is the transit portion weight from inbound movement.
2. In T209, "City" is used for the combination through-rate city.
3. In T210, "City" is used for the combination paid-in city.

Comments:

1. Related T1, T2, and T3 segments have the same transit sequence number value in the first data element.
2. T205 is the through-freight-rate that applies to the shipment from the point of origin inland movement to the point of destination of the current movement.
3. T207 is the paid-in-rate basis of the paid-in portion of the shipment.

T3 Transit Inbound Route

Pos: 6200	Max: 12
Heading - Optional	
Loop: T1	Elements: 7

User Option (Usage): Used

Purpose: To specify transit inbound routing, including equipment identifications for associated T1 and T2 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>
T301	554	Assigned Number	M	NO	1/6	Must use
		Description: Number assigned for differentiation within a transaction set				
T302	140	Standard Carrier Alpha Code	M	ID	2/4	Must use
		Description: Standard Carrier Alpha Code				
T303	133	Routing Sequence Code	O	ID	1/2	Used
		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		
		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)		
T304	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
T305	154	Standard Point Location Code	O	ID	6/9	Used
		Description: Code (Standard Point Location) defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city				
T306	206	Equipment Initial	X	AN	1/4	Used
		Description: Prefix or alphabetic part of an equipment unit's identifying number				
T307	207	Equipment Number	X	AN	1/15	Used
		Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)				

Syntax Rules:

1. P0607 - If either T306 or T307 is present, then the other is required.

Semantics:

1. T306 will contain the equipment initial of the inbound car.
2. T307 will contain the equipment number of the inbound car.

Comments:

1. Related T1, T2, and T3 segments have the same transit sequence number value in the first data element.
2. T304 is the station or city name at which carriers interchange shipments. T304 will contain the Association of American Railroads (AAR) Accounting Rule 260 junction rule.

T6 Transit Inbound Rates

Pos: 6300	Max: 1
Heading - Optional	
Loop: T1	Elements: 7

User Option (Usage): Used

Purpose: To identify the transit inbound prior origin point and waybill reference of movement to the point specified in T1 segment

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>
T601	554	Assigned Number	M	NO	1/6	Must use
		Description: Number assigned for differentiation within a transaction set				
T602	60	Freight Rate	X	R	1/9	Used
		Description: Rate that applies to the specific commodity				
T603	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.				
T604	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				
T605	60	Freight Rate	X	R	1/9	Used
		Description: Rate that applies to the specific commodity				
T606	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.				
T607	19	City Name	O	AN	2/30	Used
		Description: Free-form text for city name				

Syntax Rules:

1. P0203 - If either T602 or T603 is present, then the other is required.
2. P0506 - If either T605 or T606 is present, then the other is required.

Semantics:

1. T602 is the through-freight-rate that applies to the shipment from the point of origin of the inland movement to the point of destination of the current billing movement.
2. In T604, "City" is used for the combination through-rate city.
3. T605 is the paid-in-rate basis of the paid-in portion of the shipment.

Comments:

1. T601 must contain the same number that is on the corresponding T1 segment.
2. In T607, "City" is used for the combination paid-in rate city.

T8 Free-form Transit Data

Pos: 6400	Max: 99
Heading - Optional	
Loop: T1	Elements: 2

User Option (Usage): Used

Purpose: To transmit information in a free-form format relating to a specified transit sequence 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>
T801	554	Assigned Number	M	NO	1/6	Must use
		Description: Number assigned for differentiation within a transaction set				
T802	299	Transit Free-form Data	M	AN	1/80	Must use
		Description: Free-form data relative to inbound transit information				

Comments:

1. T801 must contain the same transit sequence number that is on the corresponding T1.

Loop LS

Pos: 6600	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>
6600	LS	Loop Header	O	1		Used
6700		Loop LH1	O		1000	Used
7500	LE	Loop Trailer	M	1		Used

LS**Loop Header**

Pos: 6600	Max: 1
Heading - Optional	
Loop: LS	Elements: 1

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	1/4	Must use

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

Semantics:

1. One loop may be nested contained within another loop, provided the inner nested loop terminates before the outer loop. When specified by the standard setting body as mandatory, this segment in combination with "LE", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The value for the identifier is the loop ID of the required loop segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.

Comments:

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

Loop LH1

Pos: 6700	Repeat: 1000
Optional	
Loop: LH1	Elements: N/A

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>
6700	LH1	Hazardous Identification Information	O	1		Used
6800	LH2	Hazardous Classification Information	O	4		Used
6900	LH3	Hazardous Material Shipping Name Information	O	10		Used
7000	LFH	Free-form Hazardous Material Information	O	20		Used
7100	LEP	EPA Required Data	O	3		Used
7200	LH4	Canadian Dangerous Requirements	O	4		Used
7300	LHT	Transborder Hazardous Requirements	O	3		Used
7400	LHR	Hazardous Material Identifying Reference Numbers	O	5		Used
7450	PER	Administrative Communications Contact	O	5		Used
7460		Loop N1	O		10	Used

LH1 Hazardous Identification Information

Pos: 6700	Max: 1
Heading - Optional	
Loop: LH1	Elements: 11

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 All valid standard codes are used.				
LH102	80	Lading Quantity	M	NO	1/7	Must use
		Description: Number of units (pieces) of the lading commodity				
LH103	277	UN/NA Identification Code	O	ID	6/6	Used
		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				
LH104	200	Hazardous Materials Page	O	AN	1/6	Used
		Description: The United Nations page number as required for the international transport of hazardous materials				
LH105	22	Commodity Code	O	AN	1/30	Used
		Description: Code describing a commodity or group of commodities				
LH106	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 All valid standard codes are used.				
LH107	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				
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 All valid standard codes are used.				
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				
LH112	1271	Industry Code	O	AN	1/30	Used
		Description: Code indicating a code from a specific industry code list				

Semantics:

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

Comments:

- LH101 and LH102 are used to convey the number and type of packages for bulk and nonbulk movements.

2. LH106 and LH107 are used to convey the quantity or volume and unit of measure for shipments.
3. In LH109, a value of "R" or "P" requires that the receiver generate the words "residue: last contained" prior to the shipping name in accordance with regulations.

LH2 Hazardous Classification Information

Pos: 6800	Max: 4
Heading - Optional	
Loop: LH1	Elements: 11

User Option (Usage): Used

Purpose: To specify the hazardous notation and endorsement information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LH201	215	Hazardous Classification	O	ID	1/30	Used
		Description: The hazardous classification corresponding to the shipping name of the hazardous commodity				
LH202	983	Hazardous Class Qualifier	O	ID	1/1	Used
		Description: Code qualifying hazardous class All valid standard codes are used.				
LH205	759	Reportable Quantity Code	O	ID	2/2	Used
		Description: Code to identify presence of hazardous substance All valid standard codes are used.				
LH206	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<u>Code</u>		<u>Name</u>		
		CE		Centigrade, Celsius		
		FA		Fahrenheit		
LH207	408	Temperature	X	R	1/4	Used
		Description: Temperature				
LH208	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<u>Code</u>		<u>Name</u>		
		CE		Centigrade, Celsius		
		FA		Fahrenheit		
LH209	408	Temperature	X	R	1/4	Used
		Description: Temperature				
LH210	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<u>Code</u>		<u>Name</u>		
		CE		Centigrade, Celsius		
		FA		Fahrenheit		
LH211	408	Temperature	X	R	1/4	Used
		Description: Temperature				
LH212	188	Weight Unit Code	X	ID	1/1	Used
		Description: Code specifying the weight unit All valid standard codes are used.				

LH213	267	Net Explosive Quantity	X	N0	1/10	Used
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Description: Net weight of the explosive quantity of the hazardous commodity

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 Information

Pos: 6900	Max: 10
Heading - Optional	
Loop: LH1	Elements: 3

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LH301	224	Hazardous Material Shipping Name	X	AN	1/25	Used
		Description: The proper shipping name of the hazardous commodity as specified by Title 49 Code of Federal Regulations, or the shipping name of the dangerous good as defined in the Canadian Transportation of Dangerous Goods Act and Regulations, or the international regulations as promulgated by the United Nations				
LH302	984	Hazardous Material Shipping Name Qualifier	X	ID	1/1	Used
		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
		Description: Code indicating the type of regulatory requirements that apply to a description; N.O.S. stands for Not Otherwise Specified All valid standard codes are used.				

Syntax Rules:

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

Semantics:

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

LFH Free-form Hazardous Material Information

Pos: 7000	Max: 20
Heading - Optional	
Loop: LH1	Elements: 8

User Option (Usage): Used

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

Element Summary:

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

<u>Code</u>	<u>Name</u>
ADI	Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper
D13	"DOT - 113, Do Not Bump or Cut Off Car While in Motion" Declaration
D20	DOT - 204, Do Not Bump or Cut Off Car While in Motion" Declaration "
DRC	Damaged Car Number
EQP	Conveyed Equipment Identification
FUM	Fumigation Declaration
HOT	Identifies Products in a Heated Molten State
HZC	Hazardous Substance Constituents
INH	Inhalation Hazard
LQY	"Limited Quantity" Declaration
MOS	Maximum Operating Speed
MPI	Marine Pollutant
PIH	"Poison - Inhalation Hazard" Declaration
POI	"Poison" Declaration
RAM	Radioactive Material Data
TEC	Technical or Chemical Group Name
TNM	Trade Name
WST	Waste Declaration

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

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

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

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

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

LFH06	380	Quantity	X	R	1/15	Used
		Description: Numeric value of quantity				
LFH07	380	Quantity	O	R	1/15	Used
		Description: Numeric value of quantity				
LFH08	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				

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: 7100	Max: 3
Heading - Optional	
Loop: LH1	Elements: 1

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

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: 7200	Max: 4
Heading - Optional	
Loop: LH1	Elements: 2

User Option (Usage): Used

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

Element Summary:

<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	X	AN	1/12	Used
Description: The identity number of a specific hazardous emergency response plan that is assigned by the Director General of Canada						
LH402	364	Communication Number	X	AN	1/256	Used
Description: Complete communications number including country or area code when applicable						

Syntax Rules:

1. P0102 - If either LH401 or LH402 is present, then the other is required.
2. P0812 - If either LH408 or LH412 is present, then the other is required.

Semantics:

1. LH411 is an additional telephone number.

Comments:

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

LHT Transborder Hazardous Requirements

Pos: 7300	Max: 3
Heading - Optional	
Loop: LH1	Elements: 1

User Option (Usage): Used

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

Element Summary:

<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: 7400	Max: 5
Heading - Optional	
Loop: LH1	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
HA	Competent Authority
HD	Department of Transportation Hazardous Number
HE	Hazardous Exemption Number
PN	Permit Number
S0	Special Approval
MDN	Hazardous Waste Manifest Document Number

LHR02	127	Reference Identification	M	AN	1/80	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

LHR03	373	Date	O	DT	8/8	Used
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Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

PER Administrative Communications Contact

Pos: 7450	Max: 5
Heading - Optional	
Loop: LH1	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		
		HM		Hazardous Material Contact		
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				
		<u>Code</u>		<u>Name</u>		
		TE		Telephone		
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.

Loop N1

Pos: 7460	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:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
7460	N1	Party Identification	O	1		Used
7470	N3	Party Location	O	2		Used
7480	N4	Geographic Location	O	1		Used
7490	PER	Administrative Communications Contact	O	2		Used

N1 Party Identification

Pos: 7460	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:

<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>		
		CN		Consignee		
		CT		Country of Origin		
		HW		Designated Hazardous Waste Facility		
		HX		Transporter of Hazardous Waste		
		HZ		Hazardous Waste Generator		
		SH		Shipper		
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)				
		<u>Code</u>		<u>Name</u>		
		38		Country Code		
		C5		Customer Identification File		
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.

N3 Party Location

Pos: 7470	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

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 Description: Address information	M	AN	1/55	Must use
N302	166	Address Information Description: Address information	O	AN	1/55	Used

N4 Geographic Location

Pos: 7480	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

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)				
N404	26	Country Code	X	ID	2/3	Used
		Description: Code identifying the country				

Syntax Rules:

1. E0207 - Only one of N402 or N407 may be present.
2. 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.

PER Administrative Communications Contact

Pos: 7490	Max: 2
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

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

Element Summary:

<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	1/60	Used
		Description: Free-form name				
PER03	365	Communication Number Qualifier	X	ID	2/2	Used
		Description: Code identifying the type of communication number				
		<u>Code</u>		<u>Name</u>		
		TE		Telephone		
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: 7500	Max: 1
Heading - Mandatory	
Loop: LS	Elements: 1

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	1/4	Must use

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

Semantics:

1. One loop may be nested contained within another loop, provided the inner nested loop terminates before the other loop. When specified by the standards setting body as mandatory, this segment in combination with "LS", must be used. It is not to be used if not specifically set forth for use. The loop identifier in the loop header and trailer must be identical. The value for the identifier is the loop ID of the required loop beginning segment. The loop ID number is given on the transaction set diagram in the appropriate ASC X12 version/release.

Comments:

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

PER Administrative Communications Contact

Pos: 7600	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		
		HM		Hazardous Material Contact		
		RP		Responsible Person		
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				
		<u>Code</u>		<u>Name</u>		
		TE		Telephone		
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.

LH2 Hazardous Classification Information

Pos: 7700	Max: 6
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

Purpose: To specify the hazardous notation and endorsement information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LH201	215	Hazardous Classification	O	ID	1/30	Used
		Description: The hazardous classification corresponding to the shipping name of the hazardous commodity				
LH202	983	Hazardous Class Qualifier	O	ID	1/1	Used
		Description: Code qualifying hazardous class All valid standard codes are used.				
LH213	267	Net Explosive Quantity	X	N0	1/10	Used
		Description: Net weight of the explosive quantity of the hazardous commodity				

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.

LHR Hazardous Material Identifying Reference Numbers

Pos: 7800	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
HA	Competent Authority
HD	Department of Transportation Hazardous Number
HE	Hazardous Exemption Number
PN	Permit Number
S0	Special Approval
MDN	Hazardous Waste Manifest Document Number

LHR02	127	Reference Identification	M	AN	1/80	Must use
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

LHR03	373	Date	O	DT	8/8	Used
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Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

XH**Pro Forma - B13
Information**

Pos: 7850	Max: 1
Heading - Optional	
Loop: N/A	Elements: 7

User Option (Usage): Used**Purpose:** To specify a pro forma invoice and B13 Canada Customs Export Declaration information, required by U.S. and Canada 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
		Description: Code (Standard ISO) for country in whose currency the charges are specified				
XH02	645	Related Company Indication Code	O	ID	1/1	Used
		Description: Code indicating parties to a transaction All valid standard codes are used.				
XH03	150	Special Charge or Allowance Code	O	ID	3/3	Used
		Description: Code identifying type of special charge or allowance				
		Code		Name		
		595		Proforma Invoice		
		FCB		Freight Charges to Border		
		FCD		Freight Charges to Destination		
XH04	610	Amount	O	N2	1/15	Used
		Description: Monetary amount				
XH05	503	Block 20 Code	O	ID	1/1	Used
		Description: Code defining Block 20 characteristics All valid standard codes are used.				
XH06	504	Chemical Analysis Percentage	O	N2	2/9	Used
		Description: Chemical analysis percentage				
XH07	212	Unit Price	O	R	1/17	Used
		Description: Price per unit of product, service, commodity, etc.				

Semantics:

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

Comments:

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

X7 Customs Information

Pos: 7900	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 Information Description: Free-form information	M	AN	1/30	Must use
X702	61	Free-form Information Description: Free-form information	O	AN	1/30	Used

SE Transaction Set Trailer

Pos: 8100	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.

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:

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

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