



CP EDI 322 Guidelines (Version 4010)





322 Terminal Operations and Intermodal Ramp Activity

Functional Group ID=SO

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Terminal Operations and Intermodal Ramp Activity Transaction Set (322) for use within the context of an Electronic Data Interchange (EDI) environment. The 322 is sent from CP to Shippers, Consignees or their Agents providing all the information necessary for a terminal operation, port authority or intermodal ramp to communicate terminal and intermodal ramp activities to authorized parties to a shipment.

CP Attributes	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
M	010	<u>ST</u>	Transaction Set Header	M	1		
Not Used	015	ZC1	Beginning Segment for Data Correction or Change	O	1		
M	016	<u>Q5</u>	Status Details	M	1		
LOOP ID - N7						1000	
M	020	<u>N7</u>	Equipment Details	M	1		
Not Used	030	V4	Cargo Location Reference	O	1		
Not Used	040	DTM	Date/Time Reference	O	2		
O	050	<u>M7</u>	Seal Numbers	O	5		
O	060	<u>W09</u>	Equipment and Temperature	O	1		
O	070	<u>W2</u>	Equipment Identification	O	1		
O	080	<u>NA</u>	Cross-Reference Equipment	O	30		
Not Used	085	GR5	Loading Details	O	10		
Not Used	100	Y7	Priority	O	1		
O	110	<u>V1</u>	Vessel Identification	O	1		
LOOP ID - R4 Activity Location						20	
M	120	<u>R4</u>	Activity Location	M	1		
Not Used	130	DTM	Date/Time Reference	O	15		
LOOP ID - R4 Port of Loading						20	
M	120	<u>R4</u>	Port of Loading	M	1		
Not Used	130	DTM	Date/Time Reference	O	15		
LOOP ID - R4 Port of discharge						20	
M	120	<u>R4</u>	Port of discharge	M	1		
Not Used	130	DTM	Date/Time Reference	O	15		
LOOP ID - R4 Origin Rail Intermodal Terminal						20	
M	120	<u>R4</u>	Origin Rail Intermodal Terminal	M	1		
O	130	<u>DTM</u>	Date/Time Reference	O	15		



		LOOP ID - R4 Destination Rail Intermodal Terminal		20
M	120	<u>R4</u>	Destination Rail Intermodal Terminal	M 1
O	130	<u>DTM</u>	Date/Time Reference	O 15
O	140	<u>H3</u>	Special Handling Instructions	O 6
		LOOP ID - N1		10
O	150	<u>N1</u>	Name	O 1
O	153	<u>N3</u>	Address Information	O 2
O	156	<u>N4</u>	Geographic Location	O 1
O	160	<u>K1</u>	Remarks	O 2
O	170	<u>N9</u>	Reference Identification	O 10
		LOOP ID - L0		999
O	180	<u>L0</u>	Line Item - Quantity and Weight	O 1
O	190	<u>L5</u>	Description, Marks and Numbers	O 1
O	200	<u>H1</u>	Hazardous Material	O 3
Not Used	210	L3	Total Weight and Charges	O 2
M	220	<u>SE</u>	Transaction Set Trailer	M 1



Segment: **ST** Transaction Set Header
 Position: 010
 Loop:
 Level:
 Usage: Mandatory
 Max Use: 1
 Purpose: To indicate the start of a transaction set and to assign a control number
 Syntax Notes:
 Semantic Notes: 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).
 Comments:

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code	M ID 3/3
			Code uniquely identifying a Transaction Set	
		322	Terminal Operations and Intermodal Ramp Activity	
M	ST02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	



Segment: **Q5** Status Details
 Position: 016
 Loop:
 Level:
 Usage: Mandatory
 Max Use: 1
 Purpose: To specify the status of the shipment in terms of dates, time, reference numbers, and location

Syntax Notes: 1 If either Q503 or Q504 is present, then the other is required.
 2 If Q507 is present, then Q506 is required.

Semantic Notes: 1 Q502 is the date of the status reported in Q501.
 2 Q503 is the time of the status reported in Q501.

Data Element Summary

CP	Ref.	Data	Name	Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
M	Q501	157	Shipment Status Code	O ID 1/2
			Code indicating the status of a shipment	
		A	Arrived	
			Shipment has arrived at the location specified	
			Used to indicate Trailer Arrival at an Intermediate Train Location.	
		AC	Awaiting Clearance	
			Used to indicate a U.S. Customs Hold.	
		AF	Departed Pickup Location	
			Shipment has been picked up	
			Used to indicate the Date/Time that the Truck departs the Customer's Dock on both Live Loads and CPR Pickups.	
		AL	Loaded on Rail	
			Used to indicate the date/time unit is loaded to conveying flat car at Origin Ramps only.	
		AR	Rail Arrival at Destination Intermodal Ramp	
			Used to indicate the date/time that the shipment arrives at a CPR Controlled Ramp or Port.	
		AV	Available for Delivery	
			Shipment available for delivery	
			Used to identify shipments Available for Delivery on CPR Drays.	
		B	Bad Order (Inoperative or Damaged)	
			Shipment was on a piece of equipment that failed	
			Used to indicate equipment that has become Bad Order at a Terminal.	
		C1	Canada Customs Hold	
		CA	Shipment Cancelled	
		CT	Customs Released	
			Used to indicate the Customs Release Date and Time received from either Canada Customs or U.S. Customs.	



G	Repaired and/or Released from Bad Order
HE	Held-Awaiting Shipper's Export Document Used to indicate shipments being held on ground at Origin Terminals for missing Shipper's Export Declaration Documentation.
HG	Held on Ground Used to indicate shipments being held on ground at Origin or Destination Terminals.
HI	Held-Title Clearance Used to indicate shipments being held on ground at Origin or Destination Terminals for Title Clearance from Customs Regulatory Authority.
I	In-Gate
J	Delivered to Connecting Line Shipment has been delivered to an interline carrier Used to indicate shipments that have gone off CPR Lines to a connecting Rail Carrier.
NH	No Hazardous Material Document Received Used to indicate shipments being held on ground at Origin or Destination Terminals for Missing Dangerous Documentation.
NT	Notification Used to identify shipments Available for Pick-up on Non CPR Drays.
O	Paperwork Received- Did Not Receive Shipment or Equipment Used to indicate Shipping Instructions have been received and processed but no record of equipment is present in TMS Inventory or on CPR Lines. Used to indicate new shipping instruction cycles.
OA	Out-Gate
OB	Original Bill of Lading Received Used to indicate Shipping Instructions have been received. Used to indicate new shipping instruction cycles.
OF	Off-Hire Container Used to indicate a Marine Container that has returned empty from a Domestic Repositioning by CPR.
ON	On-Hire Container Used to indicate a Marine Container that has departed empty for a Domestic Repositioning by CPR.
P	Departed Terminal Location Shipment has left the carrier's terminal or other control point Used to indicate a shipment departing an Intermediate Train Location.



PR	U.S. Customs Hold at In-Bond Destination U.S. Customs has placed a hold on cargo at the in-bond destination Used to indicate a shipment that is being held on ground for U.S. Customs In-Bond Clearance.
R	Received from Prior Carrier Shipment has been received from an interline carrier Used to indicate a shipment that has been received from a connecting carrier.
RL	Rail Departure from Origin Intermodal Ramp Used to indicate the date/time that the shipment Departs a CPR Controlled Ramp or Port.
SI	Receipt of Shipping Instructions Shipping instructions received Used to indicate Shipping Instructions have been received and processed. Used to indicate new shipping instruction cycles.
TC	Held for Terminal Charges Used to indicate a shipment being held on ground for pending ancillary charges.
UR	Unloaded from a Rail Car Used to indicate a shipment that has been taken off the conveying flat car at the Destination Terminal.
W	Released by Customer Used to indicate an empty unit has been released from Customer or Shipping Instructions have been received and processed.
X1	Arrived at Delivery Location The carrier has arrived at the shipment delivery location Used for both Spot Loads and Live Loads to indicate that the shipment has arrived at Customer's Dock at Destination.
X3	Arrived at Pick-up Location Used for both Spot Loads and Live Loads to indicate that the Trucker has arrived at Customer's Dock at Origin.

O	Q502	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	
X	Q503	337	Time	X TM 4/8
			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)	



X	Q504	623	Time Code	X	ID 2/2
			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		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	Q505	641	Status Reason Code	O	ID 3/3
			Refer to 004010 Data Element Dictionary for acceptable code values.		
X	Q506	19	City Name	X	AN 2/30
			Free-form text for city name		
			Status Activity Location.		
O	Q507	156	State or Province Code	O	ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency		
Not Used	Q508	26	Country Code	O	ID 2/3
Not Used	Q509	206	Equipment Initial	O	AN 1/4
Not Used	Q510	207	Equipment Number	O	AN 1/10
Not Used	Q511	128	Reference Identification Qualifier	X	ID 2/3
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	Q512	127	Reference Identification	X	AN 1/30
Not Used	Q513	1280	Direction Identifier Code	O	ID 1/1
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	Q514	128	Reference Identification Qualifier	X	ID 2/3
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	Q515	127	Reference Identification	X	AN 1/30
Not Used	Q516	1280	Direction Identifier Code	O	ID 1/1
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	Q517	954	Percent	O	R 1/10
Not Used	Q518	108	Pick-up or Delivery Code	O	ID 1/2
			Refer to 004010 Data Element Dictionary for acceptable code values.		



Segment: **N7** Equipment Details
 Position: 020
 Loop: N7 Mandatory
 Level:
 Usage: Mandatory
 Max Use: 1
 Purpose: To identify the equipment
 Syntax Notes: 1 If either N703 or N704 is present, then the other is required.
 2 If either N705 or N716 is present, then the other is required.
 3 If either N708 or N709 is present, then the other is required.
 Semantic Notes: 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.

Data Element Summary

CP	Ref.	Data	Attributes	
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N701	206	Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number	O AN 1/4
M	N702	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	M AN 1/10
X	N703	81	Weight Numeric value of weight	X R 1/10
X	N704	187	Weight Qualifier Code defining the type of weight N Actual Net Weight	X ID 1/2
X	N705	167	Tare Weight Weight of the equipment	X NO 3/8
Not Used	N706	232	Weight Allowance	O NO 2/6
Not Used	N707	205	Dunnage	O NO 1/6
Not Used	N708	183	Volume	X R 1/8
Not Used	N709	184	Volume Unit Qualifier Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
Not Used	N710	102	Ownership Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
O	N711	40	Equipment Description Code Code identifying type of equipment used for shipment CC Container resting on a Chassis CH Chassis CJ Container, Insulated/Ventilated CN Container CZ Refrigerated Container	O ID 2/2



O	N712	140	Standard Carrier Alpha Code Standard Carrier Alpha Code Equipment Owner SCAC.	O	ID 2/4
Not Used	N713	319	Temperature Control	O	AN 3/6
O	N714	219	Position Relative position of shipment in car, trailer, or container (mutually defined) The Position of a Container on a Conveying Flatcar.	O	AN 1/3
O	N715	567	Equipment Length 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) 2000 20ft Equipment 4000 40ft Equipment 4500 45ft Equipment 4800 48ft Equipment 5300 53ft Equipment	O	N0 4/5
X	N716	571	Tare Qualifier Code Code identifying the type of tare A Actual M Marked	X	ID 1/1
O	N717	188	Weight Unit Code Code specifying the weight unit K Kilograms L Pounds	O	ID 1/1
O	N718	761	Equipment Number Check Digit Number which designates the check digit applied to a piece of equipment	O	N0 1/1
O	N719	56	Type of Service Code Code specifying extent of transportation service requested DD Door to Door DR Door to Ramp RD Ramp to Door RE Ramp to Ramp	O	ID 2/2
Not Used	N720	65	Height	O	R 1/8
Not Used	N721	189	Width	O	R 1/8
O	N722	24	Equipment Type Code identifying equipment type Indicates the ISO Equipment Code.	O	ID 4/4
Not Used	N723	140	Standard Carrier Alpha Code	O	ID 2/4
Not Used	N724	301	Car Type Code	O	ID 1/4



Segment: **M7** Seal Numbers
 Position: 050
 Loop: N7 Mandatory
 Level:
 Usage: Optional
 Max Use: 5
 Purpose: To record seal numbers used and the organization that applied the seals
 Syntax Notes:
 Semantic Notes:
 Comments: 1 M705 indicates the name of the organization which applied the seal(s).

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	M701	225	Seal Number Unique number on seal used to close a shipment	M AN 2/15
O	M702	225	Seal Number Unique number on seal used to close a shipment	O AN 2/15
O	M703	225	Seal Number Unique number on seal used to close a shipment	O AN 2/15
O	M704	225	Seal Number Unique number on seal used to close a shipment	O AN 2/15
Not Used	M705	98	Entity Identifier Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/3



Segment: **W09** Equipment and Temperature
 Position: 060
 Loop: N7 Mandatory
 Level:
 Usage: Optional
 Max Use: 1
 Purpose: To relate equipment type and required temperatures
 Syntax Notes: If either W0902 or W0903 is present, then the other is required.
 Semantic Notes: 1 W0902 is the minimum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0903).
 2 W0904 is the maximum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0905).
 Comments:

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	W0901	40	Equipment Description Code	M ID 2/2
			Code identifying type of equipment used for shipment	
			CJ Container, Insulated/Ventilated	
			CZ Refrigerated Container	
X	W0902	408	Temperature	X R 1/4
			Temperature	
X	W0903	355	Unit or Basis for Measurement Code	X ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
			CE Centigrade, Celsius	
			FA Fahrenheit	
Not Used	W0904	408	Temperature	X R 1/4
Not Used	W0905	355	Unit or Basis for Measurement Code	X ID 2/2
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	W0906	3	Free Form Message	O AN 1/60
Not Used	W0907	1122	Vent Setting Code	O ID 1/1
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	W0908	488	Percent	O N0 1/3
Not Used	W0909	380	Quantity	O R 1/15



Segment: **W2** Equipment Identification
 Position: 070
 Loop: N7 Mandatory
 Level:
 Usage: Optional
 Max Use: 1
 Purpose: To identify equipment and the commodity being carried
 Syntax Notes: 1 If either W209 or W210 is present, then the other is required.
 2 If either W211 or W212 is present, then the other is required.
 Semantic Notes: 1 Commodity code (W203) is STCC.
 2 W209 is the event date.
 3 W212 (when available) is the chassis number if W204 equals "CC".
 4 W216 indicates if equipment needs repair. A "Y" indicates equipment needs repair; an "N" indicates equipment does not need repair.
 Comments: 1 W208 is to contain the proper code when an empty car is being returned per ex parte 346, sub. 8. If proper code is unknown, default to 34617.
 2 W211 (when available) is the chassis initial if W204 equals "CC". If unknown, use NONZ for chassis initial.

Data Element Summary

CP	Ref.	Data	Name	Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
M	W201	206	Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number	M AN 1/4
M	W202	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	M AN 1/10
O	W203	22	Commodity Code Code describing a commodity or group of commodities Will contain the Commodity Standard Transportation Commodity Code (STCC).	O AN 1/30
M	W204	40	Equipment Description Code Code identifying type of equipment used for shipment Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/2
M	W205	578	Equipment Status Code Code indicating status of equipment E Empty L Load	M ID 1/2
Not Used	W206	577	Net Tons	O NO 1/3
O	W207	177	Intermodal Service Code Code identifying the Intermodal Service Plan	O ID 1/2
Not Used	W208	240	Car Service Order Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 3/5
Not Used	W209	373	Date	X DT 8/8
Not Used	W210	502	Type of Locomotive Maintenance Code	X AN 2/2
X	W211	206	Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number	X AN 1/4



X	W212	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	X	AN 1/10
O	W213	761	Equipment Number Check Digit Number which designates the check digit applied to a piece of equipment	O	N0 1/1
O	W214	219	Position Relative position of shipment in car, trailer, or container (mutually defined)	O	AN 1/3
O	W215	301	Car Type Code Code specifying type of rail car or intermodal equipment type and its general characteristics	O	ID 1/4
Not Used	W216	1073	Yes/No Condition or Response Code Refer to 004010 Data Element Dictionary for acceptable code values.	O	ID 1/1



Segment: **NA** Cross-Reference Equipment
 Position: 080
 Loop: N7 Mandatory
 Level:
 Usage: Optional
 Max Use: 30
 Purpose: To cross-reference additional equipment to a primary piece of equipment
 Syntax Notes: 1 If NA01 is present, then NA02 is required.
 Semantic Notes:
 Comments: 1 NA03 contains the equipment initial of an associated shipment and is required by rail. If unknown, use NONZ for van or NONU for container.
 2 NA04 contains the equipment number of an associated shipment.

Data Element Summary

CP	Ref.	Data		Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
O	NA01	128	Reference Identification Qualifier Code qualifying the Reference Identification RN Run Number	O ID 2/3
X	NA02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier When NA01 contains RN, the Train ID that shipment departed on will be shown.	X AN 1/30
M	NA03	206	Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number	M AN 1/4
M	NA04	207	Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	M AN 1/10
O	NA05	231	Cross Reference Type Code Code defining relationship of equipment to equipment cross-referenced F Conveying Flat Car	O ID 1/1
Not Used	NA06	219	Position	O AN 1/3
Not Used	NA07	140	Standard Carrier Alpha Code	O ID 2/4
Not Used	NA08	567	Equipment Length	O N0 4/5
Not Used	NA09	140	Standard Carrier Alpha Code	O ID 2/4
Not Used	NA10	845	Chassis Type Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
Not Used	NA11	1073	Yes/No Condition or Response Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1



Segment: **V1** Vessel Identification
 Position: 110
 Loop: N7 Mandatory
 Level:
 Usage: Optional
 Max Use: 1
 Purpose: To provide vessel details and voyage number
 Syntax Notes: 1 At least one of V101 or V102 is required.
 2 If V108 is present, then V101 is required.
 Semantic Notes: 1 V103 is the code identifying the country in which the ship (vessel) is registered.
 2 V105 identifies the ocean carrier.
 Comments:

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
X	V101	597	Vessel Code Code identifying vessel	X ID 1/8
X	V102	182	Vessel Name Name of ship as documented in "Lloyd's Register of Ships"	X AN 2/28
Not Used	V103	26	Country Code	O ID 2/3
O	V104	55	Flight/Voyage Number Identifying designator for the particular flight or voyage on which the cargo travels	O AN 2/10
Not Used	V105	140	Standard Carrier Alpha Code	O ID 2/4
Not Used	V106	249	Vessel Requirement Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
Not Used	V107	854	Vessel Type Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
O	V108	897	Vessel Code Qualifier Code specifying vessel code source L Lloyd's Register of Shipping	O ID 1/1
Not Used	V109	91	Transportation Method/Type Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2



Segment: **R4** Activity Location
 Position: 120
 Loop: R4 Mandatory
 Level:
 Usage: Mandatory
 Max Use: 1
 Purpose: Contractual or operational port or point relevant to the movement of the cargo
 Syntax Notes: 1 If either R402 or R403 is present, then the other is required.
 Semantic Notes:
 Comments: 1 R4 is required for each port to be identified.

Data Element Summary

CP	Ref.	Data		Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	R401	115	Port or Terminal Function Code Code defining function performed at the port or terminal with respect to a shipment 5 Activity Location (Operational) Place at which the activity being reported is occurring	M ID 1/1
X	R402	309	Location Qualifier Code identifying type of location SL U.S. SPLC This code value will be used for both the Canadian and U.S SPLC value in R403.	X ID 1/2
X	R403	310	Location Identifier Code which identifies a specific location Will contain the SPLC when R402 value is SL.	X AN 1/30
O	R404	114	Port Name Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property	O AN 2/24
O	R405	26	Country Code Code identifying the country	O ID 2/3
Not Used	R406	174	Terminal Name	O AN 2/30
Not Used	R407	113	Pier Number	O AN 1/4
O	R408	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2



Segment: **R4** Port of Loading
 Position: 120
 Loop: R4 Mandatory
 Level:
 Usage: Mandatory
 Max Use: 1
 Purpose: Contractual or operational port or point relevant to the movement of the cargo
 Syntax Notes: 1 If either R402 or R403 is present, then the other is required.
 Semantic Notes:
 Comments: 1 R4 is required for each port to be identified.

Data Element Summary

CP	Ref.	Data		Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	R401	115	Port or Terminal Function Code Code defining function performed at the port or terminal with respect to a shipment L Port of Loading (Operational) Port at which cargo is loaded on vessel	M ID 1/1
X	R402	309	Location Qualifier Code identifying type of location K Census Schedule K SL U.S. SPLC	X ID 1/2
X	R403	310	Location Identifier Code which identifies a specific location	X AN 1/30
O	R404	114	Port Name Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property	O AN 2/24
O	R405	26	Country Code Code identifying the country	O ID 2/3
Not Used	R406	174	Terminal Name	O AN 2/30
Not Used	R407	113	Pier Number	O AN 1/4
O	R408	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2



Segment: **R4** Port of discharge
 Position: 120
 Loop: R4 Mandatory
 Level:
 Usage: Mandatory
 Max Use: 1
 Purpose: Contractual or operational port or point relevant to the movement of the cargo
 Syntax Notes: 1 If either R402 or R403 is present, then the other is required.
 Semantic Notes:
 Comments: 1 R4 is required for each port to be identified.

Data Element Summary

CP	Ref.	Data	Name	Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
M	R401	115	Port or Terminal Function Code Code defining function performed at the port or terminal with respect to a shipment D Port of Discharge (Operational) Port at which cargo is unloaded from vessel	M ID 1/1
X	R402	309	Location Qualifier Code identifying type of location K Census Schedule K If used, indicates a Foreign Port of Loading. SL U.S. SPLC If used, indicates a North American Port of Loading.	X ID 1/2
X	R403	310	Location Identifier Code which identifies a specific location	X AN 1/30
O	R404	114	Port Name Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property Will contain the Port of Discharge Name.	O AN 2/24
O	R405	26	Country Code Code identifying the country	O ID 2/3
Not Used	R406	174	Terminal Name	O AN 2/30
Not Used	R407	113	Pier Number	O AN 1/4
O	R408	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2



Segment: **R4** Origin Rail Intermodal Terminal
 Position: 120
 Loop: R4 Mandatory
 Level:
 Usage: Mandatory
 Max Use: 1
 Purpose: Contractual or operational port or point relevant to the movement of the cargo
 Syntax Notes: 1 If either R402 or R403 is present, then the other is required.
 Semantic Notes:
 Comments: 1 R4 is required for each port to be identified.

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	R401	115	Port or Terminal Function Code	M ID 1/1
			Code defining function performed at the port or terminal with respect to a shipment	
			6	Origin Rail Intermodal Terminal
				If used, R402 value will be SL (U.S. SPLC)
X	R402	309	Location Qualifier	X ID 1/2
			Code identifying type of location	
			SL	U.S. SPLC
				This code value will be used for both the Canadian and U.S. SPLC value in R403.
X	R403	310	Location Identifier	X AN 1/30
			Code which identifies a specific location	
				Will contain the SPLC when R402 Value is SL.
O	R404	114	Port Name	O AN 2/24
			Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property	
O	R405	26	Country Code	O ID 2/3
			Code identifying the country	
Not Used	R406	174	Terminal Name	O AN 2/30
Not Used	R407	113	Pier Number	O AN 1/4
O	R408	156	State or Province Code	O ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency	



Segment: **DTM** Date/Time Reference
 Position: 130
 Loop: R4 Mandatory
 Level:
 Usage: Optional
 Max Use: 15
 Purpose: To specify pertinent dates and times
 Syntax Notes: 1 At least one of DTM02 DTM03 or DTM05 is required.
 2 If DTM04 is present, then DTM03 is required.
 3 If either DTM05 or DTM06 is present, then the other is required.
 Semantic Notes:
 Comments:

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374	Date/Time Qualifier	M ID 3/3
			Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.	
X	DTM02	373	Date	X DT 8/8
			Date expressed as CCYYMMDD	
X	DTM03	337	Time	X TM 4/8
			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)	
O	DTM04	623	Time Code	O ID 2/2
			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 Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	DTM05	1250	Date Time Period Format Qualifier	X ID 2/3
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	DTM06	1251	Date Time Period	X AN 1/35



Segment: **R4** Destination Rail Intermodal Terminal
 Position: 120
 Loop: R4 Mandatory
 Level:
 Usage: Mandatory
 Max Use: 1
 Purpose: Contractual or operational port or point relevant to the movement of the cargo
 Syntax Notes: 1 If either R402 or R403 is present, then the other is required.
 Semantic Notes:
 Comments: 1 R4 is required for each port to be identified.

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	R401	115	Port or Terminal Function Code	M ID 1/1
			Code defining function performed at the port or terminal with respect to a shipment	
			7 Destination Rail Intermodal Terminal	
			If used, R402 value will be SL (U.S. SPLC).	
X	R402	309	Location Qualifier	X ID 1/2
			Code identifying type of location	
			SL U.S. SPLC	
			This code value will be used for both the Canadian and U.S. SPLC value in R403.	
X	R403	310	Location Identifier	X AN 1/30
			Code which identifies a specific location	
			Will contain the SPLC when R402 Value is SL.	
O	R404	114	Port Name	O AN 2/24
			Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property	
O	R405	26	Country Code	O ID 2/3
			Code identifying the country	
Not Used	R406	174	Terminal Name	O AN 2/30
Not Used	R407	113	Pier Number	O AN 1/4
O	R408	156	State or Province Code	O ID 2/2
			Code (Standard State/Province) as defined by appropriate government agency	



Segment: **DTM** Date/Time Reference
 Position: 130
 Loop: R4 Mandatory
 Level:
 Usage: Optional
 Max Use: 15
 Purpose: To specify pertinent dates and times
 Syntax Notes: 1 At least one of DTM02 DTM03 or DTM05 is required.
 2 If DTM04 is present, then DTM03 is required.
 3 If either DTM05 or DTM06 is present, then the other is required.
 Semantic Notes:
 Comments:

Data Element Summary

CP	Ref.	Data	Name	Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	M ID 3/3
		036	Expiration Date coverage expires Identifies the Last Free Day. If used, will identify the last free day before storage charges are applicable. When used, will be provided upon Arrival at Destination Ramp and subsequent Statuses afterwards.	
		371	Estimated Arrival Date Identifies the Estimated Arrival for X to Ramp Moves (Non CPR Drays) at the Destination Terminal. Will be shown for every Status until Actual Loaded Out-gate Event.	
		372	Actual Arrival Date For X to Door Moves, identifies the Actual Arrival at the Destination. For X to Ramp Moves, indicates the actual date and time unit is available for Pick-up.	
X	DTM02	373	Date Date expressed as CCYYMMDD	X DT 8/8
X	DTM03	337	Time 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)	X TM 4/8
O	DTM04	623	Time Code 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 Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
Not Used	DTM05	1250	Date Time Period Format Qualifier Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3
Not Used	DTM06	1251	Date Time Period	X AN 1/35



Segment: **H3** Special Handling Instructions
 Position: 140
 Loop: N7 Mandatory
 Level:
 Usage: Optional
 Max Use: 6
 Purpose: To specify special handling instructions in coded or free-form format
 Syntax Notes: 1 Only one of H301 or H302 may be present.
 Semantic Notes:
 Comments:

Data Element Summary

CP	Ref.	Data Element	Name	Attributes
X	H301	152	Special Handling Code	X ID 2/3
Code specifying special transportation handling instructions				
		DA	Dangerous If used, indicates shipments contains one or more hazardous commodities.	
		DM	Domestic If used, indicates a shipment moving in Domestic Service.	
		IP	Import Shipment If used, indicates a shipment Import into North America.	
		MR	Mechanical Refrigeration If used, indicates a shipment container one or more perishable commodities.	
		XP	Export If used, indicates a shipment Export from North America.	
This is not a comprehensive list and only includes some of the most commonly used Special Handling Codes.				
Not Used	H302	153	Special Handling Description	X AN 2/30
Not Used	H303	241	Protective Service Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/4
Not Used	H304	242	Vent Instruction Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/7
Not Used	H305	257	Tariff Application Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1



Segment: **N1** Name
 Position: 150
 Loop: N1 Optional
 Level:
 Usage: Optional
 Max Use: 1
 Purpose: To identify a party by type of organization, name, and code
 Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
 Semantic Notes:
 Comments: 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.

Data Element Summary

CP	Ref.	Data			Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	N101	98	Entity Identifier Code		M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual		
			CN Consignee		
			MC Motor Carrier		
			SH Shipper		
M	N102	93	Name		X AN 1/60
			Free-form name		
X	N103	66	Identification Code Qualifier		X ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			C5 Customer Identification File		
X	N104	67	Identification Code		X AN 2/80
			Code identifying a party or other code		
Not Used	N105	706	Entity Relationship Code		O ID 2/2
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	N106	98	Entity Identifier Code		O ID 2/3
			Refer to 004010 Data Element Dictionary for acceptable code values.		



Segment: **N3** Address Information
 Position: 153
 Loop: N1 Optional
 Level:
 Usage: Optional
 Max Use: 2
 Purpose: To specify the location of the named party
 Syntax Notes:
 Semantic Notes:
 Comments:

Data Element Summary

CP	Ref.	Data		Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N301	166	Address Information Address information	M AN 1/55
O	N302	166	Address Information Address information	O AN 1/55

Segment: **N4** Geographic Location
 Position: 156
 Loop: N1 Optional
 Level:
 Usage: Optional
 Max Use: 1
 Purpose: To specify the geographic place of the named party
 Syntax Notes: 1 If N406 is present, then N405 is required.
 Semantic Notes:
 Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
 2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

CP	Ref.	Data		Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
O	N401	19	City Name Free-form text for city name	O AN 2/30
O	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
O	N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15
O	N404	26	Country Code Code identifying the country	O ID 2/3
Not Used	N405	309	Location Qualifier Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
Not Used	N406	310	Location Identifier	O AN 1/30



Segment: **K1** Remarks
 Position: 160
 Loop: N7 Mandatory
 Level:
 Usage: Optional
 Max Use: 2
 Purpose: To transmit information in a free-form format for comment or special instruction
 Syntax Notes:
 Semantic Notes:
 Comments:

Notes: The Dangerous Goods Segment H1 can only be repeated 3 times. For Mixed Hazardous Shipments, if more hazardous lading is present in the shipment that exceeds the maximum number of repetitions of the H1 Segment, the K1 Segment will be used to identify the remaining hazardous UN/NA Numbers included in the Shipment.

Data Element Summary

CP	Ref.	Data	Name	Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
M	K101	61	Free-Form Message Free-form information Used for General Comments and identifying the overflow of UN Number for Mixed Hazardous from the H1 Segment.	M AN 1/30
O	K102	61	Free-Form Message Free-form information Used for General Comments and identifying the overflow of UN Number for Mixed Hazardous from the H1 Segment.	O AN 1/30



Segment: **N9** Reference Identification
 Position: 170
 Loop: N7 Mandatory
 Level:
 Usage: Optional
 Max Use: 10
 Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
 Syntax Notes: 1 At least one of N902 or N903 is required.
 2 If N906 is present, then N905 is required.
 Semantic Notes: N906 reflects the time zone which the time reflects.
 Comments:

Data Element Summary

CP	Ref.	Data	Name	Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
M	N901	128	Reference Identification Qualifier	M ID 2/3
			Code qualifying the Reference Identification	
			BM Bill of Lading Number	
			BN Booking Number	
			CN Carrier's Reference Number (PRO/Invoice)	
			IB In Bond Number	
			OB Ocean Bill of Lading	
			P8 Pickup Reference Number	
			PO Purchase Order Number	
			SI Shipper's Identifying Number for Shipment (SID)	
			A unique number (to the shipper) assigned by the shipper to identify the shipment	
			WY Waybill Number	
			ZZ Mutually Defined	
			This is not a comprehensive list and only includes some of the most commonly used Reference Identification Qualifiers.	
X	N902	127	Reference Identification	X AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
X	N903	369	Free-form Description	X AN 1/45
O	N904	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	
X	N905	337	Time	X TM 4/8
			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)	
O	N906	623	Time Code	O ID 2/2
			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	
			Refer to 004010 Data Element Dictionary for acceptable code values.	



Not Used	N907	C040	Reference Identifier	O	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier		
Not Used	C04001	128	Reference Identification Qualifier	M	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	C04002	127	Reference Identification	M	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04003	128	Reference Identification Qualifier	X	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	C04004	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		
Not Used	C04005	128	Reference Identification Qualifier	X	ID 2/3
			Code qualifying the Reference Identification		
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	C04006	127	Reference Identification	X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		



Segment: **LO** Line Item - Quantity and Weight
 Position: 180
 Loop: L0 Optional
 Level:
 Usage: Optional
 Max Use: 1
 Purpose: To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data
 Syntax Notes: 1 If either L002 or L003 is present, then the other is required.
 2 If either L008 or L009 is present, then the other is required.
 Semantic Notes: L008 is the number of handling units of the line item tendered to the carrier.
 Comments:

Data Element Summary

CP	Ref.	Data		Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
O	L001	213	Lading Line Item Number Sequential line number for a lading item	O NO 1/3
Not Used	L002	220	Billed/Rated-as Quantity	X R 1/11
Not Used	L003	221	Billed/Rated-as Qualifier Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
X	L004	81	Weight Numeric value of weight	X R 1/10
X	L005	187	Weight Qualifier Code defining the type of weight N Actual Net Weight	X ID 1/2
Not Used	L006	183	Volume	X R 1/8
Not Used	L007	184	Volume Unit Qualifier Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
X	L008	80	Lading Quantity Number of units (pieces) of the lading commodity Sum of all Lading Pieces. For Mixed Hazardous Shipments, the Lading Quantity Value will include ALL Hazardous Lading and Non-Hazardous Lading.	X NO 1/7
X	L009	211	Packaging Form Code Code for packaging form of the lading quantity BAG Bag BAL Bale BDL Bundle BLK Bulk CNT Container CTN Carton DRM Drum A large container with a cylindrical shape; top may have removable or sealed top sides may be fiberboard or metal	X ID 3/3



- LIF Lifts
- PCS Pieces
- PKG Package
- PLT Pallet
- SKD Skid
- TNK Tank
- VEH Vehicles

This is not a comprehensive list and only includes some of the most commonly used Packaging Form Codes.

Not Used	L010	458	Dunnage Description	O	AN 2/25
Not Used	L011	188	Weight Unit Code	O	ID 1/1
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	L012	56	Type of Service Code	O	ID 2/2
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	L013	380	Quantity	X	R 1/15
Not Used	L014	211	Packaging Form Code	O	ID 3/3
			Refer to 004010 Data Element Dictionary for acceptable code values.		
Not Used	L015	1073	Yes/No Condition or Response Code	X	ID 1/1
			Refer to 004010 Data Element Dictionary for acceptable code values.		



Segment: **L5** Description, Marks and Numbers
 Position: 190
 Loop: L0 Optional
 Level:
 Usage: Optional
 Max Use: 1
 Purpose: To specify the line item in terms of description, quantity, packaging, and marks and numbers
 Syntax Notes: If either L503 or L504 is present, then the other is required.
 Semantic Notes:
 Comments: L502 may be used to send quantity information as part of the product description.

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
O	L501	213	Lading Line Item Number Sequential line number for a lading item	O NO 1/3
O	L502	79	Lading Description Description of an item as required for rating and billing purposes For Mixed Hazardous Commodities, Commodity Description will show as the Mixed Hazardous/Dangerous Commodity Description in IRF according to the Regulatory Authority.	O AN 1/50
X	L503	22	Commodity Code Code describing a commodity or group of commodities	X AN 1/30
X	L504	23	Commodity Code Qualifier Code identifying the commodity coding system used for Commodity Code T Standard Transportation Commodity Code (STCC)	X ID 1/1
Not Used	L505	103	Packaging Code Refer to 004010 Data Element Dictionary for acceptable code values.	O AN 3/5
Not Used	L506	87	Marks and Numbers	X AN 1/48
Not Used	L507	88	Marks and Numbers Qualifier Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2
Not Used	L508	23	Commodity Code Qualifier Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
Not Used	L509	22	Commodity Code	X AN 1/30
Not Used	L510	595	Compartment ID Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1



Segment: **H1** Hazardous Material
 Position: 200
 Loop: L0 Optional
 Level:
 Usage: Optional
 Max Use: 3
 Purpose: To specify information relative to hazardous material
 Syntax Notes:
 Semantic Notes:
 Comments: This segment is required when the shipment contains hazardous material.

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	H101	62	Hazardous Material Code	M AN 4/10
			Code relating to hazardous material code qualifier for regulated hazardous materials	
			Will contain the UN/NA Code of the Hazardous Commodity.	
Not Used	H102	209	Hazardous Material Class Code	O AN 1/4
Not Used	H103	208	Hazardous Material Code Qualifier	O ID 1/1
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	H104	64	Hazardous Material Description	O AN 2/30
Not Used	H105	63	Hazardous Material Contact	O AN 1/24
Not Used	H106	200	Hazardous Materials Page	O AN 1/6
Not Used	H107	77	Flashpoint Temperature	X N 1/3
Not Used	H108	355	Unit or Basis for Measurement Code	X ID 2/2
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	H109	254	Packing Group Code	O ID 1/3



Segment: **SE** Transaction Set Trailer
 Position: 220
 Loop:
 Level:
 Usage: Mandatory
 Max Use: 1
 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)

Syntax Notes:
 Semantic Notes:
 Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments	M NO 1/10
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	Transaction Set Control Number	M AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	



SAMPLE EDI 322:

ISA*00* *00* *ZZ*CPRST *02*EXAMPLE *190111*1329*U*00400*000417392*0*P*:
GS*SO*CPRST*EXAMPLE*20190111*1329*417392*X*004010
ST*322*417392001
Q5*OB*20190111*1329*LT
N7*EMHU*123456*28500*N*12000*****CN*EMPU***5300*A***RE
W2*EMHU*123456*4111424*CN*L**25
R4*6*SL*359900*CINCINNATI*US***OH
R4*7*SL*082494*CALGARY IMS*CA***AB
H3*DM
N1*SH*SHIPPER NAME*C5*1211223890000
N3*1234 CASTLEBERRY RD
N4*CUMMING*GA*30040*US
N1*CN*CONSIGNEE NAME*C5*1211223890000
N3*1234 CASTLEBERRY RD
N4*CUMMING*GA*30040*US
N9*BM*987654**20190111*1144
N9*SI*123456
N9*PO*112233
N9*WY*350000**20190111
N9*P8*442395
LO*1***28500*N***285*PCS**L
L5*1*EMPTY BARRELS*4111424*T
SE*21*417392001
GE*1*417392
IEA*1*000417392