



CP EDI 301 Guidelines (Version 4010)





301 Marine Container Booking

Functional Group ID=RO

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Confirmation (Ocean) Transaction Set (301) for use within the context of an Electronic Data Interchange (EDI) environment. The document is a modified version of X12 301 rail guidelines (v4010) that is accepted by CP. The transaction set can be used to provide all the information necessary for an ocean carrier to reserve space and equipment availability for transport by ocean vessel.

Heading:

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		
M	020	<u>B1</u>	Beginning Segment for Booking or Pick-up/Delivery	M	1		
O	025	<u>G61</u>	Contact	O	3		
Not Used	030	Y6	Authentication	O	2		
M	040	<u>Y3</u>	Space Confirmation	M	1		
LOOP ID - Y4						10	
M	050	<u>Y4</u>	Container Release	O	1		
O	051	<u>W09</u>	Equipment and Temperature	O	1		
Not Used	054	N9	Reference Identification	O	100		
Not Used	055	R2A	Route Information with Preference	O	25		
LOOP ID - N1						4	
M	060	<u>N1</u>	Name	O	1		
Not Used	070	N2	Additional Name Information	O	1		
O	080	<u>N3</u>	Address Information	O	2		
O	090	<u>N4</u>	Geographic Location	O	1		
O	100	<u>G61</u>	Contact	O	3		
LOOP ID - R4 Pick Up Terminal						20	
M	110	<u>R4</u>	Port or Terminal	M	1		
Not Used	120	DTM	Date/Time Reference	O	15		
LOOP ID - R4 Return Terminal						20	
M	110	<u>R4</u>	Port or Terminal	M	1		
Not Used	120	DTM	Date/Time Reference	O	15		
LOOP ID - R4 Port of Loading						20	
M	110	<u>R4</u>	Port or Terminal	M	1		
Not Used	120	DTM	Date/Time Reference	O	15		
LOOP ID - R4 Port of Discharge						20	
M	110	<u>R4</u>	Port or Terminal	M	1		
Not Used	120	DTM	Date/Time Reference	O	15		



Not Used	130	W09	Equipment and Temperature	O	1
O	140	<u>H3</u>	Special Handling Instructions	O	6
Not Used	150	EA	Equipment Attributes	O	5

Detail:

<u>CP Attributes</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
						999	
LOOP ID - LX							
M	010	<u>LX</u>	Assigned Number	M	1		
O	020	<u>N7</u>	Equipment Details	O	1		
Not Used	021	W09	Equipment and Temperature	O	1		
O	030	<u>K1</u>	Remarks	O	10		
Not Used	040	L0	Line Item - Quantity and Weight	O	1		
O	050	<u>L5</u>	Description, Marks and Numbers	O	1		
Not Used	055	L4	Measurement	O	1		
Not Used	057	L1	Rate and Charges	O	1		
						10	
LOOP ID - H1							
O	060	<u>H1</u>	Hazardous Material	O	1		
Not Used	070	H2	Additional Hazardous Material Description	O	10		
O	080	<u>V1</u>	Vessel Identification	O	2		
Not Used	090	V9	Event Detail	O	10		

Summary:

<u>CP Attributes</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	<u>SE</u>	Transaction Set Trailer	M	1		

Transaction Set Notes:

1. All Bookings must have a valid Open, Close and Sail Dates.
2. Bookings will not be generated if the Close Date is in the Past.
3. Bookings will not be generated if the Open Date exceeds the Close Date.
4. Bookings will not be generated if the Close Date exceeds the Sail Date.
5. Bookings will not be generated if neither generic nor specific equipment has been requested.
6. Open Dates can be in the future, but equipment will not be released until that date.
7. New Bookings cannot be duplicated.
8. Closed Bookings can be updated to extend the Close Date but the Sail Date must also be extended.
9. Bookings can be updated to increase or decrease the number and type of containers requested providing they are equal to or greater than the number already supplied.
10. Generic Equipment Request in the Y4 Segment and Specific Equipment Request in the N7 Segment are mutually exclusive and cannot both be present on the same booking.



Segment: **ST** Transaction Set Header
 Position: 010
 Loop:
 Level: Heading
 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 Code uniquely identifying a Transaction Set 301 Confirmation (Ocean)	M ID 3/3
M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9



Segment: **B1** Beginning Segment for Booking or Pick-up/Delivery
 Position: 020
 Loop:
 Level: Heading
 Usage: Mandatory
 Max Use: 1
 Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set

Syntax Notes:

- Semantic Notes:
- 1 B101 is the Standard Carrier Alpha Code (SCAC) of the carrier sending the EDI transmission.
 - 2 B103 is the booking date accepted by the carrier.

Comments:

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	B101	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	O ID 2/4
The SCAC in this position must be the SCAC of the Booking Operator				
M	B102	145	Shipment Identification Number 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)	M AN 1/30
M	B103	373	Date Date expressed as CCYYMMDD	O DT 8/8
M	B104	558	Reservation Action Code Code identifying action on reservation or offering	O ID 1/1
			N New	
			R Delete	
			U Change	



Segment: **G61** Contact
 Position: 025
 Loop:
 Level: Heading
 Usage: Optional
 Max Use: 3
 Purpose: To identify a person or office to whom communications should be directed
 Syntax Notes: 1 If either G6103 or G6104 is present, then the other is required.
 Semantic Notes:
 Comments: 1 G6103 qualifies G6104.
 Notes: The G61 Contact Information is required either in this position or in the N1 Loop position. If both are present, this position will take precedence over the N1 Loop position.

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	G6101	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
			IC Information Contact	
M	G6102	93	Name	M AN 1/60
			Free-form name	
M	G6103	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
			TE Telephone	
M	G6104	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	
Not Used	G6105	443	Contact Inquiry Reference	O AN 1/20



Segment: **Y3** Space Confirmation
 Position: 040
 Loop:
 Level: Heading
 Usage: Mandatory
 Max Use: 1
 Purpose: To specify confirmation information for space booking including numbers, dates, and load time

Syntax Notes:

- Semantic Notes:
- 1 Y303 is the date of departure of the vessel.
 - 2 Y307 is the required pier date.

Comments: If space is available, all of the conditional data elements in segment Y3 are required.
 If the requested space is not available, Y301 is the booking number 'decline'.

Data Element Summary

CP	Ref.	Data		Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	Y301	13	Booking Number Number assigned by the carrier for space reservation	M AN 1/17
O	Y302	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	O ID 2/4
M	Y303	373	Intended Sail Date Date expressed as CCYYMMDD	O DT 8/8
O	Y304	373	Date	O DT 8/8
Not Used	Y305	154	Standard Point Location Code	O ID 6/9
Not Used	Y306	112	Pier Name	O AN 2/14
O	Y307	373	Intended Close Date Date expressed as CCYYMMDD	O DT 8/8
Not Used	Y308	337	Time	X TM 4/8
Not Used	Y309	91	Transportation Method/Type Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2
Not Used	Y310	375	Tariff Service Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
Not Used	Y311	623	Time Code Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2



Segment: **Y4** Container Release
 Position: 050
 Loop: Y4 Optional
 Level: Heading
 Usage: Optional
 Max Use: 1
 Purpose: To transmit information relative to containers available for release
 Syntax Notes:
 Semantic Notes: 2 Y403 is the date of container availability for pickup.
 Comments:

Data Element Summary

CP	Ref.	Data		Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
O	Y401	13	Booking Number	O AN 1/17
O	Y402	13	Booking Number	O AN 1/17
O	Y403	373	Intended Open Date	O DT 8/8
			Date expressed as CCYYMMDD	
			The Intended Open Date will default to the date of receipt of the Booking if not present in the transaction set.	
Not Used	Y404	154	Standard Point Location Code	O ID 6/9
M	Y405	95	Number of Containers	O N0 1/4
			Number of shipping containers	
M	Y406	24	ISO Equipment Type	O ID 4/4
			Code identifying equipment type	
Not Used	Y407	140	Standard Carrier Alpha Code	O ID 2/4
Not Used	Y408	309	Location Qualifier	X ID 1/2
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	Y409	310	Location Identifier	X AN 1/30
Not Used	Y410	56	Type of Service Code	O ID 2/2
			Refer to 004010 Data Element Dictionary for acceptable code values.	



Segment: **W09** Equipment and Temperature
 Position: 051
 Loop: Y4 Optional
 Level: Heading
 Usage: Optional
 Max Use: 1
 Purpose: To relate equipment type and required temperatures
 Syntax Notes: 1 If either W0902 or W0903 is present, then the other is required.
 2 If either W0904 or W0905 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			Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	W0901	40	Equipment Description Code		M ID 2/2
			Code identifying type of equipment used for shipment		
			CN Container		
			CZ Refrigerated Container		
M	W0902	408	Temperature		X R 1/4
			Temperature		
M	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		
O	W0904	408	Temperature		X R 1/4
			Temperature		
O	W0905	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		
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: **N1** Name
 Position: 060
 Loop: N1 Optional
 Level: Heading
 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:

Notes: Legal Entity names (Railinc/DUN & BRADSTREET) must be provided.

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98	Entity Identifier Code	M ID 2/3
			Code identifying an organizational entity, a physical location, property or an individual	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
M	N102	93	Name	X AN 1/60
			Free-form name	
Not Used	N103	66	Identification Code Qualifier	X ID 1/2
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N104	67	Identification Code	X AN 2/80
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: 080
 Loop: N1 Optional
 Level: Heading
 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: 090
 Loop: N1 Optional
 Level: Heading
 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>
M	N401	19	City Name Free-form text for city name	O AN 2/30
M	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
M	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: **G61** Contact
 Position: 100
 Loop: N1 Optional
 Level: Heading
 Usage: Optional
 Max Use: 3
 Purpose: To identify a person or office to whom communications should be directed
 Syntax Notes: 1 If either G6103 or G6104 is present, then the other is required.
 Semantic Notes:
 Comments: 1 G6103 qualifies G6104.
 Notes: The G61 Contact Information is required either in this position or in the N1 Loop position. If both are present, this position will take precedence over the N1 Loop position.

Data Element Summary

CP	Ref.	Data		
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	G6101	366	Contact Function Code	M ID 2/2
			Code identifying the major duty or responsibility of the person or group named	
			IC Information Contact	
M	G6102	93	Name	M AN 1/60
			Free-form name	
M	G6103	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
			TE Telephone	
M	G6104	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	
Not Used	G6105	443	Contact Inquiry Reference	O AN 1/20



Segment: **R4** Pick Up Terminal
 Position: 110
 Loop: R4 Mandatory
 Level: Heading
 Usage: Mandatory
 Max Use: 1
 Purpose: Contractual or operational port or point relevant to the movement of the cargo
 Syntax Notes: If either R402 or R403 is present, then the other is required.
 Semantic Notes:
 Comments: 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 P Dispatching Pool (Operational) Place from which equipment is dispatched	M ID 1/1
M	R402	309	Location Qualifier Code identifying type of location CS Canadian SPLC SL U.S. SPLC	X ID 1/2
M	R403	310	Location Identifier Code which identifies a specific location	X AN 1/30
Not Used	R404	114	Port Name	O AN 2/24
Not Used	R405	26	Country Code	O ID 2/3
M	R406	174	Terminal Name Free-form field for terminal name	O AN 2/30
Not Used	R407	113	Pier Number	O AN 1/4
M	R408	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2



Segment: **R4** Return Terminal
 Position: 110
 Loop: R4 Mandatory
 Level: Heading
 Usage: Optional
 Max Use: 1
 Purpose: Contractual or operational port or point relevant to the movement of the cargo
 Syntax Notes: If either R402 or R403 is present, then the other is required.
 Semantic Notes:
 Comments: 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 R Place of Receipt (Contractual) Place at which cargo enters the care and custody of carrier	M ID 1/1
M	R402	309	Location Qualifier Code identifying type of location CS Canadian SPLC SL U.S. SPLC	X ID 1/2
M	R403	310	Location Identifier Code which identifies a specific location	X AN 1/30
Not Used	R404	114	Port Name	O AN 2/24
Not Used	R405	26	Country Code	O ID 2/3
M	R406	174	Terminal Name Free-form field for terminal name	O AN 2/30
Not Used	R407	113	Pier Number	O AN 1/4
M	R408	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2



Segment: **R4** Port or Loading
 Position: 110
 Loop: R4 Mandatory
 Level: Heading
 Usage: Mandatory
 Max Use: 1
 Purpose: Contractual or operational port or point relevant to the movement of the cargo
 Syntax Notes: If either R402 or R403 is present, then the other is required.
 Semantic Notes:
 Comments: 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 L Port of Loading (Operational) Port at which cargo is loaded on vessel	M ID 1/1
M	R402	309	Location Qualifier Code identifying type of location CS Canadian SPLC SL U.S. SPLC	X ID 1/2
M	R403	310	Location Identifier Code which identifies a specific location	X AN 1/30
Not Used	R404	114	Port Name	O AN 2/24
Not Used	R405	26	Country Code	O ID 2/3
M	R406	174	Terminal Name Free-form field for terminal name	O AN 2/30
Not Used	R407	113	Pier Number	O AN 1/4
M	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: 110
 Loop: R4 Mandatory
 Level: Heading
 Usage: Mandatory
 Max Use: 1
 Purpose: Contractual or operational port or point relevant to the movement of the cargo
 Syntax Notes: If either R402 or R403 is present, then the other is required.
 Semantic Notes:
 Comments: 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	
			D Port of Discharge (Operational)	
			Port at which cargo is unloaded from vessel	
M	R402	309	Location Qualifier	X ID 1/2
			Code identifying type of location	
			K Census Schedule K	
			UN United Nations Location Code (UNLOCODE)	
M	R403	310	Location Identifier	X AN 1/30
			Code which identifies a specific location	
M	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	
Not Used	R405	26	Country Code	O ID 2/3
Not Used	R406	174	Terminal Name	O AN 2/30
Not Used	R407	113	Pier Number	O AN 1/4
Not Used	R408	156	State or Province Code	O ID 2/2



Segment: **H3** Special Handling Instructions
 Position: 140
 Loop:
 Level: Heading
 Usage: Optional
 Max Use: 6
 Purpose: To specify special handling instructions in coded or free-form format
 Syntax Notes:
 Semantic Notes:
 Comments:

Data Element Summary

<u>CP</u>	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
M	H301	152	Special Handling Code Code specifying special transportation handling instructions	X ID 2/3
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: **LX** Assigned Number
 Position: 010
 Loop: LX Mandatory
 Level: Detail
 Usage: Mandatory
 Max Use: 1
 Purpose: To reference a line number in a transaction set
 Syntax Notes:
 Semantic Notes:
 Comments:

Data Element Summary

CP	Ref.	Data		Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	LX01	554	Assigned Number	M NO 1/6
			Number assigned for differentiation within a transaction set	

Segment: **N7** Equipment Details
 Position: 020
 Loop: LX Mandatory
 Level: Detail
 Usage: Optional
 Max Use: 1
 Purpose: To identify the equipment
 Syntax Notes:
 Semantic Notes:
 Comments: N701 is mandatory for rail transactions.
 Notes: The N7 Segment is used to request specific equipment from a Pick-Up Terminal.
 The Equipment must be Inventory System otherwise the booking will be rejected.

Data Element Summary

CP	Ref.	Data		Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	N701	206	Equipment Initial	O AN 1/4
			Prefix or alphabetic part of an equipment unit's identifying number	
M	N702	207	Equipment Number	M AN 1/10
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	
Not Used	N703	81	Weight	X R 1/10
Not Used	N704	187	Weight Qualifier	X ID 1/2
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N705	167	Tare Weight	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	X ID 1/1
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N710	102	Ownership Code	O ID 1/1



			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N711	40	Equipment Description Code	O ID 2/2
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N712	140	Standard Carrier Alpha Code	O ID 2/4
Not Used	N713	319	Temperature Control	O AN 3/6
Not Used	N714	219	Position	O AN 1/3
Not Used	N715	567	Equipment Length	O N0 4/5
Not Used	N716	571	Tare Qualifier Code	X ID 1/1
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N717	188	Weight Unit Code	O ID 1/1
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N718	761	Equipment Number Check Digit	O N0 1/1
Not Used	N719	56	Type of Service Code	O ID 2/2
			Refer to 004010 Data Element Dictionary for acceptable code values.	
Not Used	N720	65	Height	O R 1/8
Not Used	N721	189	Width	O R 1/8
Not Used	N722	24	Equipment Type	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: **K1** Remarks
 Position: 030
 Loop: LX Mandatory
 Level: Detail
 Usage: Optional
 Max Use: 10
 Purpose: To transmit information in a free-form format for comment or special instruction
 Syntax Notes:
 Semantic Notes:
 Comments:

Data Element Summary

CP	Ref.	Data		Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	K101	61	Free-Form Message	M AN 1/30
			Free-form information	
O	K102	61	Free-Form Message	O AN 1/30
			Free-form information	



Segment: **L5** Description, Marks and Numbers
 Position: 050
 Loop: LX Mandatory
 Level: Detail
 Usage: Optional
 Max Use: 1
 Purpose: To specify the line item in terms of description, quantity, packaging, and marks and numbers

- Syntax Notes:
- 1 If either L503 or L504 is present, then the other is required.
 - 2 If L507 is present, then L506 is required.
 - 3 If either L508 or L509 is present, then the other is required.

Semantic Notes:
 Comments: 1 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	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 Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
Not Used	L505	103	Packaging Code 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 Refer to 004010 Data Element Dictionary for acceptable code values.	O AN 3/5
Not Used	L506	87	Marks and Numbers Marks and numbers used to identify a shipment or parts of a shipment	X AN 1/48
Not Used	L507	88	Marks and Numbers Qualifier Code specifying the application or source of Marks and Numbers (87) Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2
Not Used	L508	23	Commodity Code Qualifier Code identifying the commodity coding system used for Commodity Code Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
Not Used	L509	22	Commodity Code Code describing a commodity or group of commodities	X AN 1/30
Not Used	L510	595	Compartment ID Code Code identifying the compartment in a compartmentalized tank car Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1



Segment: **H1** Hazardous Material
 Position: 060
 Loop: H1 Optional
 Level: Detail
 Usage: Optional
 Max Use: 1
 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	Name	Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>		
M	H101	62	Hazardous Material Code Code relating to hazardous material code qualifier for regulated hazardous materials Will contain the UN/NA Code.	M AN 4/10
Not Used	H102	209	Hazardous Material Class Code	O AN 1/4
Not Used	H103	208	Hazardous Material Code Qualifier Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
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 Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
Not Used	H109	254	Packing Group Code	O ID 1/3



Segment: **V1** Vessel Identification
 Position: 080
 Loop:
 Level: Detail
 Usage: Optional
 Max Use: 2
 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		Attributes
<u>Attributes</u>	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
O	V101	597	Vessel Code Code identifying vessel	X ID 1/8
M	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
M	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: **SE** Transaction Set Trailer
 Position: 010
 Loop:
 Level: Summary
 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 301:

ISA*00* *00* *ZZ*SENDER *ZZ*CPRST *181130*0056*U*00400*001187000*0*P*<
GS*RO*SENDER*CPRST*20181130*005603*182700000*X*004010
ST*301*0001
B1*CPRS*12345678*20181130*N
G61*IC*CONTACT*TE*8883338111
Y3*12345678*CPRS*20181209*20181228***20181209*1200*SB
Y4*12345678****5*2200
N1*SH*SHIPPER NAME
N3*7550 OGDENDALE RD
N4*CALGARY*AB*T2C4X9*CA
R4*P*SL*381215*SCHILLER EST IMS*US
R4*L*SL*030318*MONTREAL RACINE IMS*CA
R4*D*UN*ITSAL*SALERNO*IT
LX*1
L5**WASTE PAPER
V1*9108130*VALENCIA EXPRESS**02E49****L
SE*15*0001
GE*1*182700000
IEA*1*001187000