



EDI Specifications
X12 4010 310
Freight Receipt and Invoice



310 Freight Receipt and Invoice (Ocean)

Functional Group ID=**IO**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Freight Receipt and Invoice (Ocean) Transaction Set (310) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide ocean bill of lading information. It is sent by ocean carriers to interested parties and can be used as the receipt for the shipment; to substitute for a paper bill of lading where the parties have agreed that a paper bill of lading is not necessary; to allow shipper or forwarder to verify bill of lading information before an original is printed and released; for information purposes, i.e., as a bill of lading copy; by the carrier to convey manifest information to a terminal operator; and as an invoice for freight.

Heading:

	<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	ST	Transaction Set Header	M	1		
M	020	B3	Beginning Segment for Carrier's Invoice	M	1		
	030	B2A	Set Purpose	O	1		
	060	N9	Reference Identification	O	15		
M	070	V1	Vessel Identification	M	2		
	110	C3	Currency	O	1		
LOOP ID - N1						10	
M	130	N1	Name	M	1		
	140	N2	Additional Name Information	O	1		
	150	N3	Address Information	O	2		
	160	N4	Geographic Location	O	1		
LOOP ID - R4						20	
M	180	R4	Port or Terminal	M	1		
	190	DTM	Date/Time Reference	O	15		

Detail:

	<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>
LOOP ID - LX						999	
M	010	LX	Assigned Number	M	1		
LOOP ID - N7						999	
	020	N7	Equipment Details	O	1		
	025	QTY	Quantity	O	1		
	050	M7	Seal Numbers	O	5		
LOOP ID - L0						120	
	150	L0	Line Item - Quantity and Weight	O	1		

160	L5	Description, Marks and Numbers	O	999	
LOOP ID - L1				20	
170	L1	Rate and Charges	O	1	
180	C3	Currency	O	1	

Summary:

	<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	L3	Total Weight and Charges	M	1		
M	080	SE	Transaction Set Trailer	M	1		

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: 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).
Comments:
Business Rules: Variable Name: STST

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	ST01	143 Transaction Set Identifier Code Code uniquely identifying a Transaction Set 310 Freight Receipt and Invoice (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: **B3** Beginning Segment for Carrier's Invoice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To transmit basic data relating to the carrier's invoice
Syntax Notes: 1 If either B309 or B310 is present, then the other is required.
Semantic Notes: 1 B306 is the billing date.
2 On collect freight bills the data in B309 will be the actual delivery date. For the shipments invoiced prior to delivery, the B309 will be the estimated date of delivery.
3 If B314 is used, B304 will indicate the party or parties responsible for payment of the transportation terms identified in B314.

Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
	B301	147	Shipment Qualifier	O ID 1/1
			Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
M	B302	76	Invoice Number	M AN 1/22
			Identifying number assigned by issuer	
M	B303	145	Shipment Identification Number	M AN 1/30
			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	B304	146	Shipment Method of Payment	M ID 2/2
			Code identifying payment terms for transportation charges	
			CA Advance Collect	
			CC Collect	
			MX Mixed	
			PA Advance Prepaid	
			PP Prepaid (by Seller)	
			TP Third Party Pay	
	B305	188	Weight Unit Code	O ID 1/1
			Code specifying the weight unit	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
M	B306	373	Date	M DT 8/8
			Date expressed as CCYYMMDD	

M	B307	193	Net Amount Due	M N2 1/12
			Total charges to be paid by the receiver of this transaction set expressed in the standard monetary denomination for the currency specified	
	B308	202	Correction Indicator	O ID 2/2
			Code used to indicate that the transaction set contains information which corrects previous information	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	B309	32	Delivery Date	X DT 8/8
			Date for delivery of cargo to final consignee or to next mode expressed in format CCYYMMDD	
	B310	374	Date/Time Qualifier	X 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.	
M	B311	140	Standard Carrier Alpha Code	M ID 2/4
			Standard Carrier Alpha Code	
	B312	373	Date	O DT 8/8
			Date expressed as CCYYMMDD	

Segment: **B2A** Set Purpose
Position: 030
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To allow for positive identification of transaction set purpose
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	B2A01	353	Transaction Set Purpose Code	M ID 2/2
			Code identifying purpose of transaction set	
		00	Original	
		01	Cancellation	
		02	Add	
		03	Delete	
		04	Change	

Segment: **N9 Reference Identification**
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: 15
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.
 - 3 If either C04003 or C04004 is present, then the other is required.
 - 4 If either C04005 or C04006 is present, then the other is required.

- Semantic Notes:**
- 1 N906 reflects the time zone which the time reflects.
 - 2 N907 contains data relating to the value cited in N902.

Comments:

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N901	128 Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification	
		1V	Related Vendor Order Number A vendor's order number that is in addition to a primary order number
		3Z	Customs Broker Reference Number
		4E	Carrier-assigned Consignee Number
		4F	Carrier-assigned Shipper Number
		4H	Commercial Invoice Number
		AN	Associated Purchase Orders
		BD	Bid Number
		BH	Lease Schedule Number - Blanket
		BM	Bill of Lading Number
		BN	Booking Number
		C7	Contract Line Item Number
		CD	Credit Note Number
		CN	Carrier's Reference Number (PRO/Invoice)
		CR	Customer Reference Number
		CT	Contract Number
		DP	Department Number
		EQ	Equipment Number
		GE	Geographic Number
		IA	Internal Vendor Number

IT	Internal Customer Number
IV	Seller's Invoice Number
K1	Foreign Military Sales Notice Number Number assigned to control a foreign military sales shipment from shipper to consignee
L1	Letters or Notes
L2	Location on Product Code
L3	Labor Operation Number Uniquely identifies the repair actions performed
L4	Proposal Paragraph Number The place in a proposal where additional information can be found
L5	Subexhibit Line Item Number A further subdivision of a contract exhibit line item
L6	Subcontract Line Item Number A further subdivision of a contract line item number
L7	Customer's Release Number A number which uniquely identifies a release against the customer's purchase order
L8	Consignee's Release Number A number which uniquely identifies a release against the consignee's purchase order
L9	Customer's Part Number A unique number assigned by a customer to identify a purchased material
LA	Shipping Label Serial Number
LB	Lockbox
LC	Lease Number
LD	Loan Number
LE	Lender Entity Number
LF	Assembly Line Feed Location
LG	Lease Schedule Number
LH	Longitude Expressed in Seconds
LI	Line Item Identifier (Seller's)
LJ	Local Jurisdiction
LK	Longitude expressed in Degrees, Minutes and Seconds
LL	Latitude Expressed in Seconds
LM	Product Period for which Labor Costs are Firm
LN	Non pickup Limited Tariff Number
LO	Load Planning Number
LOI	Logical Observation Identifier Names and Codes (LOINC)

LP	For Pickup Limited Freight Tariff Number
LQ	Latitude Expressed in Degrees, Minutes and Seconds
LR	Local Student Identification Number A student identification number assigned by a local school or school district
LS	Bar-Coded Serial Number
LT	Lot Number
LU	Location Number
LV	License Plate Number
LW	Location Within Equipment
LX	Qualified Products List
LY	Destination of Shipment Harmonized-Based Code Harmonized code of the commodity in the country which is the shipping destination
LZ	Lender Account Number
MB	Master Bill of Lading
MF	Manufacturers Part Number
O1	Outer Continental Shelf Area Code The designated code assigned to Outer Continental Shelf (OCS) geographical units for identification purposes
O2	Outer Continental Shelf Block Number The number corresponding to a U.S. offshore block
O5	OT5 Authority-Condition or Restriction on Car Hire Rate
O7	On-line Procurement and Accounting Control (OPAC) Transaction
O8	Original Filing
O9	Continuation Filing
OA	Outlet Number
OB	Ocean Bill of Lading
OC	Ocean Container Number
OQ	Order Number Qualifies a code that identifies the authorizing documentation for a household goods
PF	Prime Contractor Contract Number
PG	Product Group
PI	Price List Change or Issue 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

SN	Seal Number
SO	Shipper's Order (Invoice Number)
ST	Store Number
TH	Transportation Account Code (TAC)
TJ	Federal Taxpayer's Identification Number
VR	Vendor ID Number
VX	Value-Added Tax Registration Number (Europe)
ZZ	Mutually Defined

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

Segment: **V1** Vessel Identification
Position: 070
Loop:
Level: Heading
Usage: Mandatory
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

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
V101	597	Vessel Code	X ID 1/8
		Code identifying vessel	
V102	182	Vessel Name	X AN 2/28
		Name of ship as documented in "Lloyd's Register of Ships"	
V103	26	Country Code	O ID 2/3
		Code identifying the country	
V104	55	Flight/Voyage Number	O AN 2/10
		Identifying designator for the particular flight or voyage on which the cargo travels	
V105	140	Standard Carrier Alpha Code	O ID 2/4
		Standard Carrier Alpha Code	
V109	91	Transportation Method/Type Code	O ID 1/2
		Code specifying the method or type of transportation for the shipment Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **C3** Currency
Position: 110
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the currency being used in the transaction set
Syntax Notes:
Semantic Notes:

- 1 C301 is the billing currency.
- 2 C303 is the payment currency.
- 3 C304 is the rated currency.

Comments:

- 1 Currency is implied by the code for the country in whose currency the monetary amounts are specified.

Data Element Summary

Ref.	Data	Attributes
<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>Attributes</u>
M	C301 100 Currency Code Code (Standard ISO) for country in whose currency the charges are specified	M ID 3/3

Segment: **N1** Name

Position: 130

Loop: N1 Mandatory

Level: Heading

Usage: Mandatory

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: 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.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<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	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	N102	93 Name	X AN 1/60
		Free-form name	
	N103	66 Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	N104	67 Identification Code	X AN 2/80
		Code identifying a party or other code	

Segment: **N2 Additional Name Information**
Position: 140
Loop: N1 Mandatory
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data		Attributes
	Des.	Element	Name	
M	N201	93	Name Free-form name	M AN 1/60
	N202	93	Name Free-form name	O AN 1/60

Segment: **N3** Address Information
Position: 150
Loop: N1 Mandatory
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

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

Segment: **N4 Geographic Location**
Position: 160
Loop: N1 Mandatory
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

Ref.	Data	Attributes
<u>Des.</u>	<u>Element</u> <u>Name</u>	
N401	19 City Name Free-form text for city name	O AN 2/30
N402	156 State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116 Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15
N404	26 Country Code Code identifying the country	O ID 2/3

Segment: **R4 Port or Terminal**
Position: 180
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: 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

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</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	
		E	Place of Delivery (Contractual) Place at which cargo leaves its care and custody of carrier	
		L	Port of Loading (Operational) Port at which cargo is loaded on vessel	
		R	Place of Receipt (Contractual) Place at which cargo enters the care and custody of carrier	
	R402	309	Location Qualifier	X ID 1/2
			Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	
	R403	310	Location Identifier	X AN 1/30
			Code which identifies a specific location	
	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	
	R405	26	Country Code	O ID 2/3
			Code identifying the country	

Segment: **DTM** Date/Time Reference

Position: 190

Loop: R4 Mandatory

Level: Heading

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

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
M	DTM01	374 Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time	
		001 Cancel After	
		002 Delivery Requested	
		004 Purchase Order	
		010 Requested Ship	
		011 Shipped	
		037 Ship Not Before	
		038 Ship No Later	
		063 Do Not Deliver After	
		064 Do Not Deliver Before	
		150 Service Period Start	
		151 Service Period End	
		370 Actual Departure Date	
		371 Estimated Arrival Date	
		372 Actual Arrival Date	
	DTM02	373 Date	X DT 8/8
		Date expressed as CCYYMMDD	
	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)	
	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

LT Local Time

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

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	LX01	554	Assigned Number	M N0 1/6
			Number assigned for differentiation within a transaction set	

Segment: **N7 Equipment Details**

Position: 020

Loop: N7 Optional

Level: Detail

Usage: Optional

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

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
	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
	N703	81	Weight Numeric value of weight	X R 1/10
	N704	187	Weight Qualifier Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
	N708	183	Volume Value of volumetric measure	X R 1/8
	N709	184	Volume Unit Qualifier Code identifying the volume unit Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
	N711	40	Equipment Description Code Code identifying type of equipment used for shipment Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
	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)	O N0 4/5
	N717	188	Weight Unit Code Code specifying the weight unit	O ID 1/1

Refer to 004010 Data Element Dictionary for acceptable code values.

N718 761 Equipment Number Check Digit O N0 1/1
Number which designates the check digit applied to a piece of equipment

Segment: **QTY** Quantity
Position: 025
Loop: N7 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
 2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	QTY01	673	Quantity Qualifier	M ID 2/2
			Code specifying the type of quantity	
			Refer to 004010 Data Element Dictionary for acceptable code values.	
	QTY02	380	Quantity	X R 1/15
			Numeric value of quantity	

Segment: **M7 Seal Numbers**
Position: 050
Loop: N7 Optional
Level: Detail
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

	Ref.	Data		Attributes
	Des.	Element	Name	
M	M701	225	Seal Number	M AN 2/15
			Unique number on seal used to close a shipment	
	M702	225	Seal Number	O AN 2/15
			Unique number on seal used to close a shipment	
	M703	225	Seal Number	O AN 2/15
			Unique number on seal used to close a shipment	

Segment: **L0** Line Item - Quantity and Weight
Position: 150
Loop: L0 Optional
Level: Detail
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 L004 or L005 is present, then the other is required.
 - 3 If either L006 or L007 is present, then the other is required.
 - 4 If either L008 or L009 is present, then the other is required.
 - 5 If L011 is present, then L004 is required.
 - 6 If either L013 or L015 is present, then the other is required.

- Semantic Notes:**
- 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.

Data Element Summary

Ref.	Data	Attributes
<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>Attributes</u>
L001	213 Lading Line Item Number Sequential line number for a lading item	O N0 1/3
L004	81 Weight Numeric value of weight	X R 1/10
L005	187 Weight Qualifier Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
L006	183 Volume Value of volumetric measure	X R 1/8
L007	184 Volume Unit Qualifier Code identifying the volume unit Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/1
L008	80 Lading Quantity Number of units (pieces) of the lading commodity	X N0 1/7
L009	211 Packaging Form Code Code for packaging form of the lading quantity Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 3/3

L011 **188** **Weight Unit Code** **O ID 1/1**
Code specifying the weight unit
Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: **L5** Description, Marks and Numbers
Position: 160
Loop: L0 Optional
Level: Detail
Usage: Optional
Max Use: 999
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

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
L501	213	Lading Line Item Number Sequential line number for a lading item	O N0 1/3
L502	79	Lading Description Description of an item as required for rating and billing purposes	O AN 1/50

Segment: **L1 Rate and Charges**
Position: 170
Loop: L1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

Syntax Notes:

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

Semantic Notes:

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

Comments:

Data Element Summary

Ref.	Data	Attributes
<u>Des.</u>	<u>Element</u> <u>Name</u>	<u>Attributes</u>
L101	213 Lading Line Item Number Sequential line number for a lading item	O N0 1/3
L102	60 Freight Rate Rate that applies to the specific commodity	X R 1/9
L103	122 Rate/Value Qualifier Code qualifying how to extend charges or interpret value Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
L104	58 Charge For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified	X N2 1/12
L106	117 Prepaid Amount Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified	X N2 1/9
L108	150 Special Charge or Allowance Code Code identifying type of special charge or allowance Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 3/3
L111	16 Charge Method of Payment Code defining method of payment Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
L112	276 Special Charge Description Identification of special charge; this data element is used whenever an	O AN 2/25

applicable code cannot be found in data element 150

Segment: **C3** Currency
Position: 180
Loop: L1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the currency being used in the transaction set
Syntax Notes:
Semantic Notes:

- 1 C301 is the billing currency.
- 2 C303 is the payment currency.
- 3 C304 is the rated currency.

Comments:

- 1 Currency is implied by the code for the country in whose currency the monetary amounts are specified.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	C301	100 Currency Code	M ID 3/3
		Code (Standard ISO) for country in whose currency the charges are specified	
	C302	280 Exchange Rate	O R 4/10
		Value to be used as a multiplier conversion factor to convert monetary value from one currency to another	
	C303	100 Currency Code	O ID 3/3
		Code (Standard ISO) for country in whose currency the charges are specified	
	C304	100 Currency Code	O ID 3/3
		Code (Standard ISO) for country in whose currency the charges are specified	

Segment: **L3** Total Weight and Charges
Position: 010
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items

Syntax Notes:

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

Semantic Notes: 1 L305 is the total charges.

Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
L301	81	Weight Numeric value of weight	X R 1/10
L302	187	Weight Qualifier Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
L311	80	Lading Quantity Number of units (pieces) of the lading commodity	O N0 1/7
L312	188	Weight Unit Code Code specifying the weight unit Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1

Segment: **SE** Transaction Set Trailer
Position: 080
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

	Ref.	Data		Attributes
		<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	SE01	96	Number of Included Segments	M N0 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	