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Ocean shipment booking confirmation (X12)

The Ocean Shipment Booking Confirmation is a structured electronic transaction used to communicate the status of a shipment booking request between trading partners in the transportation and logistics industry. It serves as the formal response from a carrier, freight forwarder, or logistics service provider (LSP) confirming whether a booking request has been accepted, modified, or rejected. As part of the ANSI ASC X12 standard, this transaction is a key element of the freight booking process, widely used in ocean, rail, and multi-modal transport operations.

The Ocean Shipment Booking Confirmation X12 message is used confirm the status of a shipment request and plays a key role in the freight booking process.



Contact your TraceLink Services representative for more information about integrating with this message.

- **Message Type:** MPC_OCEAN_SHIPMENT_BOOKING_CONFIRMATION
- **X12 Format:** X12 301
- **Transform Names:**
 - B2B_EDI_X12_301_OceanShipmentBookingConfirmation_IB_V1

o B2B_EDI_X12_301_OceanShipmentBookingConfirmation_OB_V1

Guidelines

Input Element	Occurs	Length	Description	Example
ISA	1..1	-	Required. ISA interchange envelope.	-
ISA01	1..1	2/2	Required. Qualifier for authorization control number in ISA02.	00
ISA02	1..1	10/10	Required. Information used for additional identification or authorization of the interchange sender or the data in the interchange/ 10 spaces a valid entry.	-
ISA03	1..1	2/2	Required. Qualifier for security information in ISA04.	00
ISA04	1..1	10/10	Required. Identifies security information about the interchange sender or data.	-
ISA05	1..1	2/2	<p>Required. Interchange sender partner ID qualifier.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • 01 - Duns (Dun & Bradstreet). • 02 - Standard Carrier Alpha Code. • 03 - Federal Maritime Commission. • 04 - International Air Transport Association. • 07 - Global Location Number (GLN). • 08 - UCC EDI Communications ID (Comm ID). • 09 - X.121 (CCITT). • 10 - Department of Defense (DoD) Activity Address Code. • 11 - Drug Enforcement Administration identifier. • 12 - Telephone Companies. • 13 - Used for UCS Transmissions. Includes Area Code and Telephone Number of a Modem. • 14 - Duns Plus Suffix. • 15 - Petroleum Accountants Society of Canada Company Code. • 16 - DINS Number With 4-Character Suffix. • 17 - American Bankers Association (ABA) Transit Routing Number (Including Check Digit, 9 Digit). • 18 - Association of American Railroads (AAR) Standard Distribution Code. • 19 - EDI Council of Australia (EDICA) Communications ID Number (COMM ID). • 20 - Health Industry Number (HIN). • 21 - Integrated Postsecondary Education Data System. • 22 - Federal Interagency Commission on Education, or FICE. • 23 - National Center for Education Statistics Common Core of Data 12-Digit Number for Pre-K-Grade 12 Institutes. • 24 - The College Board's Admission Testing Program 4-Digit Code of Postsecondary Institutes, or ATP. • 25 - 4-Digit Code of Postsecondary Institutions. • 26 - Statistics of Canada List of Postsecondary Institutions. • 27 - Carrier Identification Number as assigned by Health Care Financing Administration (HCFA). • 28 - Fiscal Intermediary Identification Number as assigned by Health Care Financing Administration (HCFA). • 29 - Medicare Provider and Supplier Identification Number assigned by Health Care Financing Administration (HCFA). • 30 - U.S. Federal Tax Identification Number. • 31 - Jurisdiction Identification Number Plus 4 assigned by the International Association of Industrial Accident Boards and Commissions (IAIABC). • 32 - U.S. Federal Employer Identification Number (FEIN). • 33 - National Association of Insurance Commissioners Company Code (NAIC). • 34 - Medicaid Provider and Supplier Identification Number as assigned by individual State Medicaid Agencies in conjunction with Health Care Financing Administration (HCFA). • 35 - Statistics Canada Canadian College Student Information System Institution Codes • 36 - Statistics Canada University Student Information System Institution Codes. • 37 - Society of Property Information Compilers and Analysts (SPICA). • 38 - The College Board and ACT, Inc. 6-Digit Code List of Secondary Institutions. • AM - Association Mexicana del Codigo de Producto (AMECOP) Communication ID. • NR - National Retail Merchants Association (NRMA) - Assigned. • SA - User Identification Number as assigned by the Safety and the Fitness Electronic Records (SAFER) System. • SN - Standard Address Number. • ZZ - Mutually Defined. 	07
ISA06	1..1	15/15	Required. Interchange sender identification mapping to fileSenderNumber with party type defined in ISA05.	777776067344
ISA07	1..1	2/2	<p>Required. Interchange receiver partner ID qualifier.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • 01 - Duns (Dun & Bradstreet). • 02 - Standard Carrier Alpha Code. • 03 - Federal Maritime Commission. • 04 - International Air Transport Association. • 07 - Global Location Number (GLN). • 08 - UCC EDI Communications ID (Comm ID). • 09 - X.121 (CCITT). • 10 - Department of Defense (DoD) Activity Address Code. • 11 - Drug Enforcement Administration identifier. • 12 - Telephone Companies. • 13 - Used for UCS Transmissions. Includes Area Code and Telephone Number of a Modem. • 14 - Duns Plus Suffix. • 15 - Petroleum Accountants Society of Canada Company Code. • 16 - DINS Number With 4-Character Suffix. • 17 - American Bankers Association (ABA) Transit Routing Number (Including Check Digit, 9 Digit). • 18 - Association of American Railroads (AAR) Standard Distribution Code. • 19 - EDI Council of Australia (EDICA) Communications ID Number (COMM ID). • 20 - Health Industry Number (HIN). • 21 - Integrated Postsecondary Education Data System. • 22 - Federal Interagency Commission on Education, or FICE. • 23 - National Center for Education Statistics Common Core of Data 12-Digit Number for Pre-K-Grade 12 Institutes. • 24 - The College Board's Admission Testing Program 4-Digit Code of Postsecondary Institutes, or ATP. • 25 - 4-Digit Code of Postsecondary Institutions. • 26 - Statistics of Canada List of Postsecondary Institutions. • 27 - Carrier Identification Number as assigned by Health Care Financing Administration (HCFA). • 28 - Fiscal Intermediary Identification Number as assigned by Health Care Financing Administration (HCFA). • 29 - Medicare Provider and Supplier Identification Number assigned by Health Care Financing Administration (HCFA). • 30 - U.S. Federal Tax Identification Number. • 31 - Jurisdiction Identification Number Plus 4 assigned by the International Association of Industrial Accident Boards and Commissions (IAIABC). • 32 - U.S. Federal Employer Identification Number (FEIN). • 33 - National Association of Insurance Commissioners Company Code (NAIC). • 34 - Medicaid Provider and Supplier Identification Number as assigned by individual State Medicaid Agencies in conjunction with Health Care Financing Administration (HCFA). • 35 - Statistics Canada Canadian College Student Information System Institution Codes • 36 - Statistics Canada University Student Information System Institution Codes. • 37 - Society of Property Information Compilers and Analysts (SPICA). • 38 - The College Board and ACT, Inc. 6-Digit Code List of Secondary Institutions. • AM - Association Mexicana del Codigo de Producto (AMECOP) Communication ID. • NR - National Retail Merchants Association (NRMA) - Assigned. • SA - User Identification Number as assigned by the Safety and the Fitness Electronic Records (SAFER) System. • SN - Standard Address Number. • ZZ - Mutually Defined. 	01
ISA08	1..1	15/15	Required. EDI receiver ID mapping to file control header and to ServiceLinkId.	888888404358877
ISA09	1..1	6/6	Required. Interchange date in 6 char YYMMDD format.	231020
ISA10	1..1	4/4	Required. Interchange time in 4 char HHMM format.	1420

Input Element	Occurs	Length	Description	Example
ISA11	1...1	1/1	Required. This value is dependent on X12 version. <ul style="list-style-type: none"> Version 4012 and earlier, this is the interchange control standards identifier. Valid value = U. Version 4020 and later, this is the repetition separator, a delimiter that separates repeated occurrences of a data element or composite data structure, which must be different than the data element separator, component separator, and segment terminator." 	^
ISA12	1...1	5/5	Required. Interchange control version number. This could be any X12 version.	00501
ISA13	1...1	9/9	Required. Interchange Control Number mapping to file control header.	000000000619827
ISA14	1...1	1/1	Required. Interchange level acknowledgment requested. Valid values: <ul style="list-style-type: none"> 0 - No acknowledgment requested 1 - Interchange level acknowledgment requested 	0
ISA15	1...1	1/1	Required. Indicates whether the interchange is for production, test, or information purposes. Valid values: <ul style="list-style-type: none"> I - Information P - Production data T - Test data 	P
ISA16	1...1	1/1	Required. Component element separator. Delimiter that separates data elements within a composite data structure. Must be different than the data element separator and segment terminator.	>
GS	1...*	-	Required. GS group functional envelope. Child of ISA. Only one GS group expected per interchange.	-
GS01	1...1	2/2	Required. GS group function code. Valid value = RO Ocean shipment booking confirmation Information.	RO
GS02	1...1	2/15	Required. Application Sender's Code.	2222224043588
GS03	1...1	2/15	Required. Application Receiver's Code.	TRACELINK
GS04	1...1	8/8	Required. Current date stamp in 8 char X12 date format YYYYMMDD.	20241020
GS05	1...1	4/8	Required. Current time stamp in 6 char X12 time format HHMMSS.	142000
GS06	1...1	1/9	Required. Group Control ID Number.	619827
GS07	1...1	1/2	Required. Responsible Agency Code. Valid values: <ul style="list-style-type: none"> T - Transportation Data Coordinating Committee (TDCC) X - Accredited Standards Committee X12 	X
GS08	1...1	1/12	Required. X12 message version code. This could be any X12 version.	005010
ST	1...*	-	Required. ST transaction set envelope. Child of GS group. Only one ST transaction expected.	-
ST01	1...1	3/3	Required. Transaction set identifier code.	301
ST02	1...1	4/9	Required. Transaction set ID number. Counter for each ST segment beginning with 1.	0001
B1	1...1	-	Required. Ocean shipment booking request and confirmation beginning segment.	-
B101	0...1	2/4	Required. Standard carrier alpha code (Carrier SCAC code)	2ABC
B102	0...1	1/30	Required. Shipment Identification number given by shipper, ideally this would be the same as in request.	123212332
B103	0...1	8/8	Document date in YYYYMMDD format.	20070609
B104	0...1	1/1	Required. Booking confirmation status code. Valid values <ul style="list-style-type: none"> N - New request received A - Booking request accepted B - Conditional acceptance of booking request C - Counter proposal made by carrier with different options E - Booking request declined (for X12 it covers both rejection before confirm & withdrawal after confirm). R - Request deleted or marked for deletion S - Carrier splits the booking across voyages/equipment. U - Change/update received on booking V - Change in vessel or voyage D - Booking cancelled 	N
B105	0...1	1/1	Code specifying partial load allowed in booking requirement. Valid values: <ul style="list-style-type: none"> Y - true N - false 	Y
B106	0...1	3/3	Required. Code specifying reason behind booking cancel by carrier or customer. Valid values <ul style="list-style-type: none"> CPT - Carrier cannot accept because the type of requested space/ capacity isn't offered CPU - Carrier offers that capacity type, but it's currently full/ unavailable EQT - The requested equipment type isn't supported. EQU - The equipment is unavailable LNH - Requested haul length not supported PRM - Regulatory/ permit issue prevents acceptance. WGT - Cargo exceeds allowable weight limits 	CPT
G61	0...3	-	G61 segment explains about contact information for party business or location.	-
G6101	1...1	2/2	Required. Contact type. Valid values: <ul style="list-style-type: none"> IC - Information contact FW - Forwarder contact 	IC
G6102	1...1	1/60	Required. Contact name.	Grame Smith
G6103	0...1	2/2	Title of contact.	Mr
G6104	0...1	1/2048	Required. Contact phone number.	897654
G6105	0...1	1/20	Contact email address.	gsmith@gmail.com
Y3	1...1	-	Required. Specifies confirmation of space on an ocean vessel.	-
Y301	1...1	1/17	Required. Booking confirmation number.	12321
Y303	0...1	'8/8	It describes estimated departure date.	20250615
Y304	0...1	'8/8	It describes estimated arrival date at port of discharge.	20250815
Y305	0...1	6/9	Terminal/ Port / Airport of discharge standard point location code (SPLC).	UN2343
Y306	0...1	2/14	Port / terminal name.	NEWYORK
Y307	0...1	'8/8	Required Pier date. Last acceptable date by which cargo must be delivered to the terminal.	20250615
Y308	0...1	4/8	Last acceptable time by which cargo must be delivered to the terminal.	122333

Input Element	Occurs	Length	Description	Example
Y309	0...1	1/2	Transport method type. Valid values: • 7 - By mail • A - By air • H - To be picked up customer • J - Truck • O - Container by ship • R - Shipped by train • S - By sea • X - Piggy back transport, ie trailer on train • AE - Air express • LT - Less than truckload • SR - Supplier truck	J
Y310	0...1	2/2	Required. Specifying the types of services for rating purposes. Valid values • BB - Rate for shipments for barge-to-barge carrier terminal service • BD - Rate for shipments for barge-to-door service • BM - Rate for shipments for barge-to-motor service • BR - Rate for shipments for barge-to-rail service • BO - Rate for shipments for barge-to-ocean terminal service • DD - Rate applies for shipments in door-to-door service • DM - Rate applies for shipments in door-to-motor service • DO - Rate applies for shipments in door-to-ocean terminal service • DR - Rate applies for shipments in door-to-rail service • DP - Rate applies for shipments in door-to-pier service • PD - Rate applies for shipments in pier-to-door service • MM - Rate applies for shipments in motor-to-motor service • MO - Rate applies for shipments in motor-to-terminal service • MP - Rate applies for shipments in motor-to-pier service • MR - Rate applies for shipments in motor-to-rail service • OM - Rate applies for shipments in terminal-to-motor service	BB
Y311	0...1	2/2	Time zone code.	CT
Y4	0...10	-	It specifies container information and transportation service to be used to complete shipment.	-
Y401	1...1	1/17	Required. Number given by carrier for space reservation, first booking number.	12321
Y402	1...1	1/17	Required. To capture last booking number, in case of range of booking numbers available. If only one booking number available, do not use this	12325
Y403	0...1	'8/8	Date of equipment availability for pickup.	20250615
Y404	0...1	6/9	Equipment pickup location standard point location code (SPLC).	UN2343
Y405	0...1	1/4	Number of shipping containers.	0001
Y406	0...1	4/4	Equipment type ISO 6346 size code.	-
Y407	0...1	2/4	Carrier SCAC code for whom containers will be released.	2ABC
Y408	0...1	1/2	Port Location qualifier, indicating type of location. Valid values • 18 - Marker identifier location. • CI - City code. • D - Domestic U.S. ports (Schedule D). • L - Local address. • K - Foreign ports (Schedule K), and international. • UN - United Nations Location Code. • OV - On Vessel (Free On Board [FOB] point) • CY - Container Yard - Area designated for container storage. • DC - Distribution Center Number. • DE - Destination - Shipping. • DO - District Office. • FR - U.S. Customs Facilities Information and Resource Management Systems (FIRMS) — Identifies U.S. Customs facilities related to the shipment. • FT - Foreign Trade Zone - A designated area where goods can be stored without being subject to customs duties. • KE - Port of Embarkation - The port where the cargo is loaded onto the vessel. • KL - Port of Loading - Another term for the port where the cargo is loaded. • LO - Local Office. • OR - Origin (Shipping Point). • PA - Port of Arrival - The port where the cargo arrives in the destination country. • PB - Port of Discharge - The port where the cargo is unloaded from the vessel. • PD - Place of Delivery. • PE - Port of Entry - The port where customs clearance is performed. • PL - Plant - Facility where goods are manufactured or processed. • TL - Terminal Cargo Location - The specific terminal within a port where the cargo is handled. • TM - Terminal - Specific terminal facility within a port. • WF - Wharf - The dock or quay where the vessel is moored. • ZZ - Mutually Defined - Custom qualifier defined by trading partners.	CI
Y409	0...1	1/30	Identifies the cargo's specific location, UN Location code.	USLGB
Y410	0...1	2/2	Code specifying extent of transportation service requested. Valid values: • CFR - Rate of shipments for barge-to-barge carrier terminal service • CIF - Rate of shipments for barge-to-door service • CIP - Rate of shipments for barge-to-motor service • CPT - Rate of shipments for barge-to-rail service • DAP - Rate of shipments for barge-to-ocean terminal service • DAT - Rate of shipments for freight station to freight station service • DDP - Rate of shipments for freight station to door service • EXW - Buyer bears all costs and risks in taking the goods from the seller's premises to the desired location • FAS - Buyer bears all costs and risks, after goods are placed on vessel • FCA - Free carrier for buyer, because shipment costs are taken care by seller • FOB - Free on board, costs and risks are owned by seller	AA
W09	0...1	-	To establish the relationship between requested equipment type and required temperatures.	-
W0901	1...1	2/2	Required. Type of equipment used in delivery. Valid values: • CN - Container • RR - Rail Car • TL - Trailer • VT - Ship • AP - Aircraft • TO - Truck • CZ - Reefeer Container	CN
W0902	0...1	1/4	Equipment minimum allowable temperature.	35.64

Input Element				Occurs	Length	Description	Example
			W0903	0...1	2/2	Temperature unit of measure. Valid values: • CE - Degree, Celsius • FA - Degree, Fahrenheit • KV - Degree Celsius per kelvin	FA
			W0904	0...1	1/4	Equipment maximum allowable temperature.	35.64
			W0905	0...1	2/2	Specifies the units in which a value is being expressed, or manner in which a measurement has been taken. .Valid values • 02 - Statute Mile • 4G - Microliter • AM - Ampoule • AV - Capsule • BD - Bundle • BG - Bag • B0 - Bottle • BX - Box • C3 - Centiliter • CA - Case • CC - Cubic Centimeter • CF - Cubic Feet • CG - Card, Blister • CI - Cubic Inches • CL - Cylinder • CM - Centimeter • CN - Can • CP - Crate • CQ - Cartridge • CR - Cubic Meters • CT - Carton • DA - Day • DI - Dispenser • DK - Kilometers • DL - Deciliter • DM - Decimeter • DR - Drum • DS - Display • DZ - Dozen • EA - Each • FO - Fluid Ounce • FT - Foot • GA - Gallon • GL - Gram/liter • GR - Gram • GS - Gross • H4 - Hectoliter • HF - Hundred Feet • HR - Hours • IN - Inch • K6 - Kiloliters • KG - Kilogram • KT - Kit • LB - Pounds • LF - Linear Foot • LO - Lot (unit of procurement) • LT - Liter • LY - Linear Yard • MC - Microgram • ME - Milligram • ML - Milliliter • MM - Millimeter • MO - Months • MR - Meter • OZ - Ounces • PC - Piece • PF - Pallet • PK - Package • PR - Pair • PT - Pint • QT - Quart • RL - Roll • SC - Square Centimeter • SF - Square Foot • SH - Sheet • SI - Square Inch • SM - Square Meter • ST - Set • SY - Square Yard • T3 - Thousand Pieces • TB - Tube • TH - Thousand • TY - Tray • U2 - Tablet • UM - Million • UN - Unit • V2 - Pouch • VI - Vial • WK - Week • YD - Yard • YR - Years	-
			W0906	0...1	1/60	Descriptive information about environment required in refrigerated container when other than normal air required.	Vent setting temp to be maintained
			W0907	0...1	1/1	To specifying equipment vent adjustment code. Valid values: • A - Vent 25% Open • B - Vent 50% Open • C - Vent 75% Open • D - Vent 100% Open • F - Vent 10% Open • E - Vent should be in closed position. • Z - Carrier to set based on commodity type.	A
			W0908	0...1	1/3	Percent in integer format , example: 50% required, in 50.	50
			W0909	0...1	1/15	It describes the number of air exchanges per hour.	-
		NS(1)		0...100	-	Reference segment for mapping to the transaction references.	-

Input Element	Occurs	Length	Description	Example
N901	1...1	2/3	Required. Reference identification qualifier for the contract class. Valid values: <ul style="list-style-type: none"> AG - Agent shipment number BM - Bill of lading CG - Consignee order number CN - Carrier reference CT - Contract number IV - Seller's invoice MB - Master bill of lading PO - Purchase order number SI - Shipment number SN - Seal number VN - Supplier order number 	CT
N902	0...1	1/80	Reference identifier value.	123456
N903	0...1	1/45	Description defined by qualifier code in REF02.	sub-340B
N904	0...1	8/8	Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year.	20241215
N905	0...1	4/8	Time.	121314
N9(2)	0...30	-	Reference segment for mapping to the transaction references.	-
N901	1...1	2/3	Required. Reference identification qualifier for the contract class. Valid values: <ul style="list-style-type: none"> FN - Freight forwarder reference identifier ZZ - Mutually defined number OC - Ocean container number 8X - Transaction Type BN - Booking number SE - Serial number EQ - Equipment number P8 - Pickup reference number 1J - Facility ID Number 4F - Carrier-assigned Shipper Number AAL - Booking agent reference BS - Split booking reference number ZH - Carrier assigned reference / booking number 	FN
N902	0...1	1/80	Reference identifier value.	123456
N903	0...1	1/45	Description defined by qualifier code in REF02.	-
N904	0...1	8/8	Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year.	20241215
N905	0...1	4/8	Time.	121314
R2A	0...25	-	Required. Specifies the responsibilities and carrier preference.	-
R2A01	1...1	1/2	Required. Code identifying sequence of carriers in shipment, beginning with the original carrier. Valid values: <ul style="list-style-type: none"> 0 - Original carrier 1 - First carrier after original 2 - Second carrier after original 3 - Third carrier after original 4 - Fourth carrier after original 5 - Fifth carrier after original 	01
R2A02	1...1	1/1	Required. Sender preference code.	A
R2A03	0...1	1/2	Transport method type. Valid values: <ul style="list-style-type: none"> 7 - By mail A - By air H - To be picked up customer J - Truck 0 - Container by ship R - Shipped by train S - By sea X - Piggy back transport, ie trailer on train AE - Air express LT - Less than truckload SR - Supplier truck 	J
R2A04	0...1	2/4	Shipping carrier alpha code (SCAC).	SCAC
R2A05	0...1	1/2	Code identifying type of location.	-
R2A06	0...1	1/30	Identifier which identifies a specific location.	-
R2A07	0...1	2/2	Types of transport service requested and respective charges billed by the carrier. Valid values: <ul style="list-style-type: none"> CFR - Rate of shipments for barge-to-barge carrier terminal service CIF - Rate of shipments for barge-to-door service CIP - Rate of shipments for barge-to-motor service CPT - Rate of shipments for barge-to-rail service DAP - Rate of shipments for barge-to-ocean terminal service DAT - Rate of shipments for freight station to freight station service DDP - Rate of shipments for freight station to door service EXW - Buyer bears all costs and risks in taking the goods from the seller's premises to the desired location FAS - Buyer bears all costs and risks, after goods are placed on vessel FCA - Free carrier for buyer, because shipment costs are taken care by seller FOB - Free on board, costs and risks are owned by seller 	AA
R2A08	0...1	1/13	Mutually defined route code.	-
R2A09	0...1	1/35	Point to point routing description.	-
R2A10	0...1	2/3	It identifies the party to receive the invoice for the route segment.	-
R4	1...20	-	Required. Contractual or operational port or point relevant to the movement of the cargo.	-
R401	1...1	1/1	Required. Port or Terminal function codes. Valid values: <ul style="list-style-type: none"> 1 - Final Port of Discharge (Operational) - Last port at which cargo is unloaded from vessel. 5 - Activity Location (Operational) - Place at which the activity being reported is occurring. B - Reconsolidation Point (Operational). C - De-Consolidation Point (Operational). 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. I - Interim Point (Operational) - Place at which cargo is transferred from one inland means of transport to another. 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. T - Transshipment Port (Contractual) - Place at which cargo is transferred to another carrier. M - Destination (Operational) - Place at which carrier actually turns cargo to consignee or his agent. S - Return Pool (Operational) - Place at which equipment is returned. Y - Relay Port (Operational). N - Final Destination (Operational) - Consignee's facility at which shipment ends its movement at cargo's expense. G - Port of Entry (Operational) - Place at which cargo actually enters a country where the cargo is not part of its commerce. O - Origin (Operational) - Shipper's facility at which shipment begins its movement at cargo's expense. H - Port of exit. 	O

Input Element	Occurs	Length	Description	Example
R402	0...1	1/2	Code indicating type of location code. Valid values <ul style="list-style-type: none"> • 18 - Marker identifier location. • CI - City code. • D - Domestic U.S. ports (Schedule D). • L - Local address. • K - Foreign ports (Schedule K), and international. • UN - United Nations Location Code. • OV - On Vessel (Free On Board [FOB] point) • CY - Container Yard - Area designated for container storage. • DC - Distribution Center Number. • DE - Destination - Shipping. • DO - District Office. • FR - U.S. Customs Facilities Information and Resource Management Systems (FIRMS) — Identifies U.S. Customs facilities related to the shipment. • FT - Foreign Trade Zone - A designated area where goods can be stored without being subject to customs duties. • KE - Port of Embarkation - The port where the cargo is loaded onto the vessel. • KL - Port of Loading - Another term for the port where the cargo is loaded. • LO - Local Office. • OR - Origin (Shipping Point). • PA - Port of Arrival - The port where the cargo arrives in the destination country. • PB - Port of Discharge - The port where the cargo is unloaded from the vessel. • PD - Place of Delivery. • PE - Port of Entry - The port where customs clearance is performed. • PL - Plant - Facility where goods are manufactured or processed. • TL - Terminal Cargo Location - The specific terminal within a port where the cargo is handled. • TM - Terminal - Specific terminal facility within a port. • WF - Wharf - The dock or quay where the vessel is moored. • ZZ - Mutually Defined - Custom qualifier defined by trading partners. 	CI
R403	0...1	1/30	Identifies the cargo's specific location.	DBCFC345RGT
R404	0...1	2/24	Name of the port.	MIAMI
R405	0...1	2/3	Country code.	US
R406	0...1	2/30	Terminal Name.	MIAMI
R407	0...1	1/4	Identifying number of the pier.	3789
R408	0...1	2/2	State code.	CA
DTM	0...15	-	Dates relevant to location events, provision given to map to EDIFACT data.	-
DTM01	1...1	3/3	Required. Date type related to shipment events at port, in date format YYYYMMDD and time format (IDoc/ X12) HHMMSS. Valid values: <ul style="list-style-type: none"> • 003 - Invoice date • 017 - Estimated delivery date • 035 - Date of delivery document, ASN • 058 - Customs Clearance date • 139 - Estimated • 140 - Actual date • 146 - Closing date • 161 - Loaded on vessel date • 311 - Latest receiving / cutoff date • 369 - Estimated Departure Date • 370 - Actual Departure date • 371 - Estimated Arrival date • 372 - Actual arrival date • 510 - Date packed • 813 - Customs entry date • 999 - Document date 	311
DTM02	0...1	8/8	Required. Date defined by referenced date type in date format YYYY-MM-DD. Transform will pass thru whatever it finds in IDoc date and time fields.	20241215
DTM03	0...1	4/8	Time expressed in 24-hour clock time as follows.	-
DTM04	0...1	2/2	Time zone for referenced dates.	ES
DTM05	0...1	2/3	Required. Describes the date format, time format, or date and time period format type. Valid values: <ul style="list-style-type: none"> • D6 - YYMMDD • D8 - CCYYMMDD • DD - DAYOFMONTH • DT - CCYYMDDHHMM • MD - MMDD • T - MMDDYY • TM - HHMM • TQ - MMY • TS - HHMMSS • TT - MMDDYY • YM - YYMM 	DT
DTM06	0...1	1/35	Describes the date format, time format, or date and time period.	-
N1	1...99	-	Required. N1 segment loop at header for party address and location information.	-

Input Element	Occurs	Length	Description	Example
N101	1...1	2/3	Required. Entity qualifier for the Customer or Buyer party identifier and address information. Valid values: <ul style="list-style-type: none"> • AO - Account holder business information • BK - Party creating shipment booking • BS - Billto and Shipto combined • BT - Billto party • BY - Customer or Buyer • CA - Carrier (transport operator) • CI - Consignor • CN - Consignee • CL - Container pickup party • C9 - Contract holder (depends on context) • DA - Delivery address / party • DT - Destination terminal • D1 - Truck driver (no EDI qualifier, contextbased) • EX - Exporter • FR - Message sender • FP - Credit Card Holder Business Information • FW - Freight forwarder • MF - Manufacturer • NP - Notify party • N1 - First notify party • N2 - Second notify party • OB - Ordered by party • OT - Origin inland terminal • PR - Freight payer • PW - Pickup location • RO - Origin intermodal ramp • RD - Destination intermodal ramp • R6 - Booking requester (may be consignee / shipper as well) • SF - Shipfrom location • SH - Shipper • ST - Shipto location • SU - Supplier • TO - Message receiver • UC - Ultimate customer / end user • VN - Vendor (alt. seller) • WH - Warehouse 	SU
N102	0...1	1/60	Required. Name.	Pharma customer
N103	0...1	1/2	Required. Identifier code qualifier. Valid values: <ul style="list-style-type: none"> • 1 - DUNS • 2 - SCAC • 9 - DUNS+4 • 11 - Drug Enforcement Agency registration number • 21 - Health Industry Number • 91 - Company identifier • 92 - Company location identifier • UL - Global Location Number • PI - US_340B_ID • PP - Pharmacy_Processor_Number 	UL
N104	0...1	2/80	Required. Party identifier as qualified by N103 mapping to companyIdentifierValue.	3333331013655
N3	0...1	-	N3: Address: Child of customer party N1 name segment.	-
N301	1...1	1/55	Required. Street address 1.	555 Neelan Road
N302	0...1	1/55	Street address 2.	Suite 123
N4	0...1	-	N4: Geographic Location. Child of customer party N1 name segment.	-
N401	0...1	2/30	City name.	Sacramento
N402	0...1	2/2	State or province code. Code (Standard state/province) as defined by appropriate government agency.	CA
N403	0...1	3/15	Postal code. Code defining international postal zone code excluding punctuation and blanks.	95833
N404	0...1	2/3	Country code.	US
N405	0...1	1/2	Type of location.	CA
N406	0...1	1/30	Specific location.	95833
N407	0...1	1/3	Country subdivision.	US
G61	0...3	-	Required. G61 segment explains about contact information for party business or location.	-
G6101	1...1	2/2	Required. Contact type. Valid values: <ul style="list-style-type: none"> • IC - Information contact • FW - Forwarder contact 	IC
G6102	1...1	1/60	Required. Contact name.	Grame Smith
G6103	0...1	2/2	Title of contact.	Mr
G6104	0...1	1/2048	Required. Contact phone number.	897654
G6105	0...1	1/20	Contact email address.	gsmith@gmail.com
H3	0...6	-	Special handling instructions for shipment. All parameters to be understood in the form of different codes used by industry.	-
H301	0...1	2/3	Code specifying special transportation handling instructions. Valid values: <ul style="list-style-type: none"> • EP - Expedite • DM - Domestic • DA - Dangerous • CH - Carrier 	EP
H302	0...1	2/30	Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate.	ABCD34567
H303	0...1	1/4	To specify perishable protective service - rail carriers only.	HDN
H304	0...1	1/7	To specifying extra and careful instructions.	VC

Input Element	Occurs	Length	Description	Example
H305	0...1	1/1	Codes indicating for respective tariff applies. Valid values: • • B - INTERSTATE • • A - INTRASTATE • • R - REGIONAL • • D - RECIPROCAL • • I - INTERNATIONAL	I
V1	0...2	-	Vessel details.	-
V101	0...1	1/8	Vessel unique identifier.	9399193
V102	0...1	2/28	Vessel registered name.	Flora
V103	0...1	2/3	Vessel registered country code.	UK
V104	0...1	2/30	Voyage identifier on which the cargo travels.	12345
V105	0...1	2/4	Carrier SCAC code.	SC01
V106	0...1	1/1	Specific requirement or condition that applies to the vessel on which the cargo is being or has been transported. Valid values: • • F - Specified Flag Required • • M - Must Comply • • O - Forwarder Option • • R - Roll Booking to Another Vessel • • S - Substitution OK	F
V107	0...1	2/2	Identifies the design or usage class of the vessel carrying the shipment. Valid values: • • B - Barge • • C - Container Vessel • • D - Dry Bulk Vessel • • G - General Cargo • • L - LASH (Lighter Aboard Ship) • • R - Roll-on/Roll-off (Ro-Ro) • • T - Tanker • • V - Vehicle Carrier	10
V108	0...1	1/1	Vessel code qualifier, organization provides vessel unique identifier. Valid values: • • B - U.S. Bureau of Census • • C - Ship's Radio Call Signal • • L - Lloyd's Register of Shipping • • Z - Mutually defined number	B
V109	0...1	1/2	Transport method type. Valid values: • 7 - By mail • A - By air • H - To be picked up customer • J - Truck • O - Container by ship • R - Shipped by train • S - By sea • X - Piggy back transport, ie trailer on train • AE - Air express • LT - Less than truckload • SR - Supplier truck	J
LX	1...999	-	Required. Line item loop start for shipment booking confirmation, referring a line number in a transaction set	-
LX01	1...1	1/6	Required. Number assigned for differentiation within a transaction set	0010
N7	0...1	-	Equipment details used for shipment booking request	-
N701	0...1	1/4	Equipment prefix	SC
N702	1...1	1/15	Required. Equipment unique identifier	1234
N703	0...1	1/10	Equipment weight value	10

Input Element	Occurs	Length	Description	Example
N704	0...1	1/2	Equipment weight qualifier. Valid values: <ul style="list-style-type: none"> • A5 - Average weight • A4 - Average weight per load • B - Billed weight • CE - Certified weight of cargo • A - Consolidated weight • F - Deficit weight • E - Estimated net weight • 0 - Excess weight over maximum • FR - Freight weight • G - Gross weight • L - Legal weight • LC - Maximum lading capacity • M - Minimum weight for rate • N - Actual net weight • ND - Non-chargeable dunnage • V - Non transit weight - transit bills only • PA - Pallet weight • U - Weight per unit • A3 - Shipper's weight • SK - Skid weight • T - Tare weight • W - Transit weight - transit bills only • S0 - Storage in transit out 	B
N705	0...1	1/8	Tare weight value.	2
N706	0...1	1/6	Weight allowance provided for increased weight during transport such as snow.	-
N707	0...1	1/6	Lading protected material weight.	-
N708	0...1	1/8	Equipment volume value.	100
N709	0...1	1/1	Equipment volume unit type. Valid values: <ul style="list-style-type: none"> • B - Volume of barge • T - Volume of container • C - Cubic centimeters • M - Cubic decimeters • E - Cubic feet • N - Cubic inches • X - Cubic meters • G - Gallons • V - Liter • L - Total volume of load 	B
N710	0...1	1/1	Equipment owner ship code or relationship with equipment.	-
N711	0...1	2/2	Type of equipment used in delivery. Valid values: <ul style="list-style-type: none"> • AP - Aircraft • CN - Container • RR - Railcar • TL - Trailer • VT - Ship 	CN
N712	0...1	2/4	Equipment owner Standard carrier alpha code (SCAC code).	SCAC
N713	0...1	3/6	Required. Temperature control free form description, like range or flash point.	-
N714	0...1	1/3	Position of equipment in trailer or car or container.	-
N715	0...1	4/5	Length in feet and inches of equipment used in shipment format is FFFII (FFF= feets, II = Inches. If value is 1211 = 12 feet 11 inches)	1211
N716	0...1	1/1	Code identifying the type of tare. Valid values: <ul style="list-style-type: none"> • A - Actual • M - Marked 	-
N717	0...1	1/1	Weight unit type code. Valid values: <ul style="list-style-type: none"> • E - Metric ton • G - Gram • K - Kilogram • L - Pounds • M - Measurement ton • O - Ounces • S - Short ton • T - Long ton 	E
N718	0...1	1/1	Equipment number check digit number.	2

Input Element				Occurs	Length	Description	Example
			N719	0...1	2/2	Types of transport service requested which may differ from contract conditions. Valid values: <ul style="list-style-type: none"> • CFR - Rate of shipments for barge-to-barge carrier terminal service • CIF - Rate of shipments for barge-to-door service • CIP - Rate of shipments for barge-to-motor service • CPT - Rate of shipments for barge-to-rail service • DAP - Rate of shipments for barge-to-ocean terminal service • DAT - Rate of shipments for freight station to freight station service • DDP - Rate of shipments for freight station to door service • EXW - Buyer bears all costs and risks in taking the goods from the seller's premises to the desired location • FAS - Buyer bears all costs and risks, after goods are placed on vessel • FCA - Free carrier for buyer, because shipment costs are taken care by seller • FOB - Free on board, costs and risks are owned by seller 	RE
			N720	0...1	1/8	Equipment height used in transport , in inches, can include upto 5 decimals.	12.234
			N721	0...1	1/8	Shorter measurement of the two horizontal dimensions measured with the object in the upright position , in inches, can include upto 5 decimals.	12.234
			N722	0...1	4/4	Equipment type ISO Code.	-
		W09		0...1	-	To establish the relationship between requested equipment type and required temperatures.	-
			W0901	1...1	2/2	Required. Type of equipment used in delivery. Valid values: <ul style="list-style-type: none"> • CN - Container • RR - Rail Car • TL - Trailer • VT - Ship • AP - Aircraft • TO - Truck • CZ - Refeer Container 	CN
			W0902	0...1	1/4	Equipment minimum allowable temperature.	35.64
			W0903	0...1	2/2	Temperature unit of measure. Valid values: <ul style="list-style-type: none"> • CE - Degree, Celsius • FA- Degree, Fahrenheit • KV - Degree Celsius per kelvin 	FA
			W0904	0...1	1/4	Equipment maximum allowable temperature.	35.64

Input Element	Occurs	Length	Description	Example
			Specifies the units in which a value is being expressed, or manner in which a measurement has been taken. .Valid values <ul style="list-style-type: none"> • 02 - Statute Mile • 4G - Microliter • AM - Ampoule • AV - Capsule • BD - Bundle • BG - Bag • B0 - Bottle • BX - Box • C3 - Centiliter • CA - Case • CC - Cubic Centimeter • CF - Cubic Feet • CG - Card, Blister • CI - Cubic Inches • CL - Cylinder • CM - Centimeter • CN - Can • CP - Crate • CQ - Cartridge • CR - Cubic Meters • CT - Carton • DA - Day • DI - Dispenser • DK - Kilometers • DL - Deciliter • DM - Decimeter • DR - Drum • DS - Display • DZ - Dozen • EA - Each • FO - Fluid Ounce • FT - Foot • GA - Gallon • GL - Gram/liter • GR - Gram • GS - Gross • H4 - Hectoliter • HF - Hundred Feet • HR - Hours • IN - Inch • K6 - Kiloliters • KG - Kilogram • KT - Kit • LB - Pounds • LF - Linear Foot • LO - Lot (unit of procurement) • LT - Liter • LY - Linear Yard • MC - Microgram • ME - Milligram • ML - Milliliter • MM - Millimeter • MO - Months • MR - Meter • OZ - Ounces • PC - Piece • PF - Pallet • PK - Package • PR - Pair • PT - Pint • QT - Quart • RL - Roll • SC - Square Centimeter • SF - Square Foot • SH - Sheet • SI - Square Inch • SM - Square Meter • ST - Set • SY - Square Yard • T3 - Thousand Pieces • TB - Tube • TH - Thousand • TY - Tray • U2 - Tablet • UM - Million • UN - Unit • V2 - Pouch • VI - Vial • WK - Week • YD - Yard • YR - Years 	
W0905	0...1	2/2		
W0906	0...1	1/60	Descriptive information about environment required in refrigerated container when other than normal air required.	Vent setting temp to be maintained
W0907	0...1	1/1	To specifying equipment vent adjustment code. Valid values: <ul style="list-style-type: none"> • A - Vent 25% Open • B - Vent 50% Open • C - Vent 75% Open • D - Vent 100% Open • F - Vent 10% Open • E - Vent should be in closed position. • Z - Carrier to set based on commodity type. 	A
W0908	0...1	1/3	Percent in integer format , example: 50% required, in 50.	50
W0909	0...1	1/15	It describes the number of air exchanges per hour.	-
LO	1...999	-	Shipment booking request line item details, like quantity, measurements, packing details.	-
L001	0...1	1/6	Line item number.	1
L002	0...1	1/11	Billed quantity for the shipment, max 8 digits, included upto 5 decimal places.	-

Input Element				Occurs	Length	Description	Example
			L003	0...1	2/2	Billed quantity type, basis for rating. Valid values <ul style="list-style-type: none"> • BA - Barrels • BX - Box • EA - Identifies a billable unit as a single item. • KG - Metric weight unit used in international shipping. • LR - Liter • TN - Billing unit expressed as short tons (2,000 lbs). • CF - Volume unit used for dimensional rating. • MT - Often used in ocean freight, usually equals 1 cubic meter or 1,000 kg. • VA - Actual volume of the cargo. • VC - Volume used for billing after dimensional adjustments. • PK - Common billing unit for boxed or grouped goods. • TD - Billing unit based on number of days. • TH - Billing unit based on number of hours. • SP - Number of stops authorized as part of a shipment. • EA - Identifies a billable unit as a single item. • LB - Common weight unit in ocean freight billing. • NR - A standard shipping container unit. • NU - Generic unit of measure for shipment rating. 	EA
			L004	0...1	1/10	Item weight value , max 10 digits, included upto 5 decimal places.	10
			L005	0...1	1/2	Item weight qualifier. Valid values: <ul style="list-style-type: none"> • A5 - Average weight • A4 - Average weight per load • B - Billed weight • CE - Certified weight of cargo • A - Consolidated weight • F - Deficit weight • E - Estimated net weight • 0 - Excess weight over maximum • FR - Freight weight • G - Gross weight • L - Legal weight • LC - Maximum lading capacity • M - Minimum weight for rate • N - Actual net weight • ND - Non-chargeable dunnage • V - Non transit weight - transit bills only • PA - Pallet weight • U - Weight per unit • A3 - Shipper's weight • SK - Skid weight • T - Tare weight • W - Transit weight - transit bills only • S0 - Storage in transit out 	B
			L006	0...1	1/8	Item volume value , max 8 digits, included upto 5 decimal places.	100
			L007	0...1	1/1	Item volume unit type. Valid values: <ul style="list-style-type: none"> • B - Volume of barge • T - Volume of container • C - Cubic centimeters • M - Cubic decimeters • E - Cubic feet • N - Cubic inches • X - Cubic meters • G - Gallons • V - Liter • L - Total volume of load 	B
			L008	0...1	1/7	Number of handling units of the line item tenderd to carrier.	10

Input Element	Occurs	Length	Description	Example
L009	0...1	3/3	Packing form of lading quantity. Valid values <ul style="list-style-type: none"> • PLL - 463L Air Pallet • BAG - Bag • BAL - Bale • BRG - Barge • BBL - Barrel • BSK - Basket or hamper • BEM - Beam • BIN - Bin • BOB - Bobbin • BOT - A bottle • BOX - Box • BXI - Box, with inner container • BXT - Bucket • BLK - Bulk • BKG - Large fabric bulk container that takes the shape of whatever is inside it. • BDL - Bundle • CAB - Cabinet • CAG - Cage • CAN - Can • CCS - Can Case • CBC - Containers of Bulk Cargo • CAR - Carrier • CTN - Carton • CAS - Case • CSK - Cask • CHS - Chest • COL - Coil • CND - Container, Commercial Highway Lift • CNT - Container • CRD - Cradle • CRT - Crate • CUB - A cube • CYL - Cylinder • CNX - 8x8x8-foot container for packaging and shipping military material • CNF - Multiwall Container Secured to Warehouse Pallet • CNE - Engine Container • CNA - Household Goods Containers, Wood • CLD - Car Load, Rail • DBK - Dry Bulk • DRK - Double-length Rack • DRM - Drum container. • DSK - Double-length Skid • DTB - Double-length Tote Bin • DUF - Duffle Bag • ENV - Envelope • FLX - A rubber liner used in a standard container for liquid material • FRM - Frame • FSK - Flask • FWR - Forward Reel • HPR - Hamper • HPT - Hopper Truck • HRB - On Hanger or Rack in Boxes • HRK - Half-standard Rack • HTB - Half-Standard Tote Bin • JAR - Jar • JUG - Jug A bottle (usually 1/2 gallon or larger) fitted with a handle • KEG - Keg • KIT - Kit • KRK - Knockdown Rack • KTB - Knockdown Tote Bin • LBK - Liquid Bulk • LIF - Lifts • LOG - Log • LSE - Loose • LUG - Lug • LVN - Lift Van • MLV - 20-foot transportation van that conforms to ISO standards • MRP - Multi-Roll Pack • MXD - Mixed Type Pack • OVW - Over wrap - A cardboard wrapping around a pallet. • PCS - Pieces • PIR - Pims • PKG - Package • PLF - Platform • PLL - 463L Air Pallet • PLN - Pipeline • PLT - Pallet • PRK - Pipe Rack • RCK - Rack • REL - Reel • ROL - Roll • RVR - Reverse Reel • SAK - Sack • SBC - A plastic liner in a container to protect dry free-flowing material during transport. • SHT - Sheet • SKD - Skid • SLP - Cardboard platforms that hold product for storage or transportation • SLV - Sleeve • SPI - Spin Cylinders • SPL - Spool • SVN - 40-foot container that conforms to ISO standards for sea transport • TBE - Tube • TBN - Tote Bin • TKR - Tank Car • TKT - Tank Truck • TLD - Intermodal Trailer/Container Load (Rail) • TNK - Tank • TRC - Tierce • TRI - Box made from three-ply cardboard • TRK - Trunk and Chest • TRU - Truck • TRY - Tray • TSS - Trunk, Salesmen Sample • TTC - Tote Can. A reusable stainless steel container with handles; used for liquid material • TUB - Tub • UNP - Unpacked • UNT - Unit • VEH - Vehicles • VPK - Van Pack • WHE - On Own Wheel • WLC - Wheeled Carrier • WRP - Wrapped 	CNT

Input Element	Occurs	Length	Description	Example
L010	0...1	2/25	Descriptive information of materials used for protection of lading goods.	Rubber
L011	0...1	1/1	Weight unit type code. Valid values: • E - Metric ton • G - Gram • K - Kilogram • L - Pounds • M - Measurement ton • O - Ounces • S - Short ton • T - Long ton	E
L012	0...1	2/2	Type of service providing for charging / rating purpose. Valid values: • CFR - Rate of shipments for barge-to-barge carrier terminal service • CIF - Rate of shipments for barge-to-door service • CIP - Rate of shipments for barge-to-motor service • CPT - Rate of shipments for barge-to-rail service • DAP - Rate of shipments for barge-to-ocean terminal service • DAT - Rate of shipments for freight station to freight station service • DDP - Rate of shipments for freight station to door service • EXW - Buyer bears all costs and risks in taking the goods from the seller's premises to the desired location • FAS - Buyer bears all costs and risks, after goods are placed on vessel • FCA - Free carrier for buyer, because shipment costs are taken care by seller • FOB - Free on board, costs and risks are owned by seller	RE
L013	0...1	1/15	Represent the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item., this only be used if L009 is PLT or SKD or SLP and L015 is Y.	10
L014	0...1	3/3	Packing form of lading quantity that should be verified. Valid values: • BOX - Boxes • CTN - Cartons • PCS - Pieces Note: This only be used if L009 is PLT or SKD or SLP and L015 is Y	CNT
L015	0...1	1/1	Boolean indicates carrier required to verify number of units contained on a pallet, slip sheet, skid. Valid values: • Y - true, carrier needs to verify • N - false, carrier does not need to verify.	Y
L5	0...1	-	Shipment booking lading item details like packaging, description, etc.	-
L501	0...1	1/6	Lading item number.	-
L502	0...1	1/50	Lading item description.	-
L503	0...1	1/30	Commodity code, describes commodity or group of commodities.	-
L504	0...1	1/1	Commodity coding system used for commodity. Valid values: • 2 - Dun's SIC 2+2, Dun & Bradstreet • 5 - National Drug Code • C - Canadian Freight • N - Motor Freight Classification • P - Bulk Codes • Q - Quota Category • S - Standard International Trade Classification • T - Standard Transportation Commodity Code • Z - Mutually defined	5
L505	0...1	3/5	Packaging material used for inner level packing. Valid values • CAS - Case • CTN - Carton • PLT - Pallet • RCK - Rack • UNT - Unit • BAG - Bag • BAL - Bale • BBL - Barrel • BGD - Banding to bind/tie package to secure it • BDL - Bundle • BLS - Blister packaging between dome and carrier • BOT - Bottle • CAN - Can • DRM - Drum • ENV - Envelope • FSK - Flask • JAR - Jar • JUG - Jug • KEG - Keg • MUL - Multipack - consumer bundle • ROL - Roll • SAH - Sachet • SAK - Sack • SPI - Spin Cylinders • SPL - Spool • TBE - Tube • TBN - Tote Bin • TRY - Tray • TUB - Tub • VIL - Vial • WRP - Wrapped	-
L4	0...1	-	Shipment booking lading item measurement details like length, width, height, etc.	-
L401	1...1	1/8	Required. Equipment length used in shipment booking , in inches, can include upto 5 decimals.	12.234
L402	1...1	1/8	Required. Equipment width used in shipment booking , in inches, can include upto 5 decimals.	12.234
L403	1...1	1/8	Required. Equipment height used in shipment booking , in inches, can include upto 5 decimals.	12.234

Input Element				Occurs	Length	Description	Example
			L404	1...1	1/1	Required. Unit of measurement for shipment dimensions. Valid values: <ul style="list-style-type: none"> • C - Centimeters • F - Feet • N - Inches • X - Meters 	X
		L1		0...1	-	Describes rate and charges details related to a line item including freight charges, advances, special charges, and entitlements.	-
		L101		0...1	1/6	Sequential line number for freight invoice item.	-
		L102		0...1	1/15	Rate that applies to the specific commodity.	-
		L103		0...1	2/2	Charge rate type Valid values <ul style="list-style-type: none"> • BL - Bill of Lading declared value (ocean cargo valuation) • CW - Per hundredweight (transportation rate per 100 lbs) • PF - Per cubic foot (volume-based rating) • PG - Per gallon (liquid shipments, marine/ocean bulk) • PH - Per hundred (of basic unit, flat hundred) • PM - Per mile (road, drayage, intermodal transport) • PW - Percentage of total charges (common in invoices) • SP - Per stop (accessorial charge qualifier) • FR - Flat rate (fixed dollar amount) • FC - Flat charge (similar to flat rate) • AV - Ad valorem (percent of cargo value, common in maritime) • PU - Per unit • PC - Per car • CR - Charges based on mentioned percentage • MN - Minimum charge • LB - Per pound • CM - Per cubic meter • ER - Per each request • GT - Per gross ton • PA - Per container • PD - Per day • PR - Per hour • PS - Per shipment • PZ - Per package charge • WM - Weight or Measurement 	PF
		L104		0...1	1/15	Total charges for invoice.	500
		L105		0...1	1/9	Advances payment for incidental charges occurring during transportation.	500
		L106		0...1	1/15	Prepaid amount paid by shipper at origin point.	2000
		L107		0...1	3/9	The code denoting the connecting station for a joint rate obtained by combining two or more published rates which are used for the calculation of transportation charges.	-

Input Element	Occurs	Length	Description	Example
L108	0...1	3/3	<p>Special charge or allowance code.</p> <p>Valid values</p> <ul style="list-style-type: none"> • 150 - Canadian Currency Exchange. • 170 - Certificate Origin. • 295 - Special Discount. • 360 - Export Customs Clearance. • 405 - Fuel Surcharge Destination. • 495 - Miscellaneous - Destination • 585 - Document Origin. • 730 - Terminal Service Fee. • 750 - Value Added tax. • AAT - Handling Charge Tax. • AMS - Automated Manifest System. • ARB - Arbitrary (In Addition to Through Rates and Charges). • BAS - Base charge. • BLG - Bill of Lading Charge. • BRD - Bridge Charge (PEI Confederation). • BSC - Bunker Surcharge. • BUA - Bunker Adjustment. • CAC - Cash discount . • CBX - City sales tax. • CHG - Forward / Advance Charges. • CLN - Cleaning Charges. • COF - Container freight charges. • CON - Congestion Surcharge. • CSE - Customs Entry. • CTF - Chassis Destination. • CUF - Currency Adjustment Factor. • CUS - Customs Charge. • DDF - Destination Document. • DEL - Delivery Charge. • DIV - Diversion and Re-consignment. • DRC - Drayage Base-origin. • DSC - Discount. • DTC - Destination Charge. • EMS - Emergency Surcharge. • ENS - Energy Surcharge (Fuel Adjustment Factor). • EPC - Emergency Port Charge. • EXP - Expedited Service Charge. • FLT - Ferry Service. • GSS - Greater Security Service. • GST - Goods and Services Tax Charge. • HAZ - Hazardous Cargo Charge. • HDF - Heavy Duty Flat Car Charge. • HET - Heat in Transit Charges. • HHB - Handling Origin. • HST - Harmonized Sales Tax. • IIA - Invoice Adjustment. • LDG - Loading. • LLS - "Local Sales Tax (All Applicable Sales Taxes by Taxing Authorities Below the State Level) • MMT - Metropolitan Transit Tax. • NBH - N.H. D Wharfage. • ODF - Collect on Delivery Deletion Charge. • PAD - Premium Charge. • PBL - Pier Charges Other Than Wharfage. • PUD - Pick-Up and Delivery. • PPT - Parish/County Sales Tax (only). • REF - Refrigeration. • SAJ - Surcharge - Dollar Value. • SEC - Equipment Origin. • SEG - Segregating (Sorting). • SOC - Stop-Off Charge. • SST - Sales Tax (State and Local). • SSX - Sales and Use Tax (State and Local). • STC - State Surcharge. • STF - Container stuffing. • STR - Storage in Transit. • SWC - Switching Charge. • TAD - Transportation tax. • TER - Terminal Charge. • TRF - Transfer fees. • TTL - Local Tax. • TTS - State Tax. • TTM - Tax on Miscellaneous Charges. • URC - Transload fees. • USF - Special Type Flat Car. • UUT - Use Tax. • WTV - VGM Free Origin. • ZZZ - Mutually Defined. • TAD - Carbon Tax - BC (Also available as default for all Carbon Tax). • ENC - Carbon Tax - Alberta (Specific to CN). • CSK - Carbon Tax - Saskatchewan (Specific to CN). • CMB - Carbon Tax - Manitoba (Specific to CN). • CQQ - Carbon Tax - Quebec (Specific to CN). • CNB - Carbon Tact - New Brunswick (Specific to CN). • CNS - Carbon Tax - Nova Scotia (Specific to CN). 	DSC
L109	0...1	1/3	Identifies specific & designated class of goods, valid values:\n- CTR = CONTRACT\n- E = EXCESSWEIGHT\n- M = MINIMUM\n- QUO = QUOTED\n- T = SENDER\n- X = CONTAINER\n- Y = EXCEPTION\n	CTR
L110	0...1	1/1	<p>Charge entitle party, party who pays the bill.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • S - Shipper • C - Consignee • I - Issuing carrier • D - Destination carrier 	S
L111	0...1	1/1	<p>Payment method for freight invoice charges.</p> <p>Valid values:</p> <ul style="list-style-type: none"> • A - Prepaid cash • B - Prepaid credit • C - Collect cash • D - Collect credit • E - Collect • P - Prepaid 	A

Input Element	Occurs	Length	Description	Example
L112	0...1	2/35	Special charge description.	-
L113	0...1	1/1	Tariff application code.	-
L114	0...1	1/12	Shipment declared value.	-
L115	0...1	2/2	Charge rate type. Valid values <ul style="list-style-type: none"> • BL - Bill of Lading declared value (ocean cargo valuation) • CW - Per hundredweight (transportation rate per 100 lbs) • PF - Per cubic foot (volume-based rating) • PG - Per gallon (liquid shipments, marine/ocean bulk) • PH - Per hundred (of basic unit, flat hundred) • PM - Per mile (road, drayage, intermodal transport) • PW - Percentage of total charges (common in invoices) • SP - Per stop (accessorial charge qualifier) • FR - Flat rate (fixed dollar amount) • FC - Flat charge (similar to flat rate) • AV - Ad valorem (percent of cargo value, common in maritime) • PU - Per unit • PC - Per car • CR - Charges based on mentioned percentage • MN - Minimum charge • LB - Per pound • CM - Per cubic meter • ER - Per each request • GT - Per gross ton • PA - Per container • PD - Per day • PR - Per hour • PS - Per shipment • PZ - Per package charge • WM - Weight or Measurement 	PF
L116	0...1	1/1	Lading liability code	-
L117	0...1	1/11	Billed quantity for the shipment, max 8 digits, included upto 5 decimal places	-
L118	0...1	2/2	Billed quantity type, basis for rating. Valid values <ul style="list-style-type: none"> • BA - Barrels • BX - Box • EA - Identifies a billable unit as a single item. • KG - Metric weight unit used in international shipping. • LR - Liter • TN - Billing unit expressed as short tons (2,000 lbs). • CF - Volume unit used for dimensional rating. • MT - Often used in ocean freight, usually equals 1 cubic meter or 1,000 kg. • VA - Actual volume of the cargo. • VC - Volume used for billing after dimensional adjustments. • PK - Common billing unit for boxed or grouped goods. • TD - Billing unit based on number of days. • TH - Billing unit based on number of hours. • SP - Number of stops authorized as part of a shipment. • EA - Identifies a billable unit as a single item. • LB - Common weight unit in ocean freight billing. • NR - A standard shipping container unit. • NU - Generic unit of measure for shipment rating. 	DK
L119	0...1	1/10	Rate percentage (e.g., 0.0 through 1.0 represents 0% through 100%).	0.1
L120	0...1	3/3	Billed currency code info for charges.	EUR
H1	0...100	-	To specify information relative to hazardous material.	-
H101	1...1	4/10	Required. Hazardous material code qualifier for regulated hazardous materials.	3166
H102	0...1	1/4	Type of hazard for a material.	9
H103	0...1	1/1	Specifies the Hazardous Material Class Code. Valid values: <ul style="list-style-type: none"> • A - ADR (Agreement concerning the International Carriage of Dangerous Goods by Road) • I - IMDG (International Maritime Dangerous Goods Code) 	I
H104	0...1	2/30	Material name, special instructions, and phone number if any.	INTERNAL COMBUSTION
H105	0...1	1/24	Phone number and name of person or department to contact in case of emergency.	JOHN SMITH 8008518061
H106	0...1	1/6	The United Nations page number as required for the international transport of hazardous materials.	-
H107	0...1	1/3	The flashpoint temperature for hazardous material.	70

Input Element	Occurs	Length	Description	Example
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken. .Valid values <ul style="list-style-type: none"> • 02 - Statute Mile • 4G - Microliter • AM - Ampoule • AV - Capsule • BD - Bundle • BG - Bag • B0 - Bottle • BX - Box • C3 - Centiliter • CA - Case • CC - Cubic Centimeter • CF - Cubic Feet • CG - Card, Blister • CI - Cubic Inches • CL - Cylinder • CM - Centimeter • CN - Can • CP - Crate • CQ - Cartridge • CR - Cubic Meters • CT - Carton • DA - Day • DI - Dispenser • DK - Kilometers • DL - Deciliter • DM - Decimeter • DR - Drum • DS - Display • DZ - Dozen • EA - Each • FO - Fluid Ounce • FT - Foot • GA - Gallon • GL - Gram/liter • GR - Gram • GS - Gross • H4 - Hectoliter • HF - Hundred Feet • HR - Hours • IN - Inch • K6 - Kiloliters • KG - Kilogram • KT - Kit • LB - Pounds • LF - Linear Foot • LO - Lot (unit of procurement) • LT - Liter • LY - Linear Yard • MC - Microgram • ME - Milligram • ML - Milliliter • MM - Millimeter • MO - Months • MR - Meter • OZ - Ounces • PC - Piece • PF - Pallet • PK - Package • PR - Pair • PT - Pint • QT - Quart • RL - Roll • SC - Square Centimeter • SF - Square Foot • SH - Sheet • SI - Square Inch • SM - Square Meter • ST - Set • SY - Square Yard • T3 - Thousand Pieces • TB - Tube • TH - Thousand • TY - Tray • U2 - Tablet • UM - Million • UN - Unit • V2 - Pouch • VI - Vial • WK - Week • YD - Yard • YR - Years 	
H108	0...1	2/2		CE
H109	0..1	1/3	Degree of danger in terms of Roman number I, II or III.	III
H2	0...10	-	Specifies free-form hazardous material descriptive data in addition to the information provided in the H1 segment.	-
H201	1...1	2/30	Required. Material name, special instructions, and phone number if any.	Hazardous Material
H202	0...1	1/30	Free-form description of hazardous material classification or division or label requirements.	Classification
SE	1...1	-	Required. ST ... SE transaction set trailer envelope. Child of GS group. Only one ST transaction expected.	-
SE01	1...1	1/10	Required. Total count of segments in ST ... SE transaction set including ST and SE segments.	10
SE02	1...1	4/9	Required. Transaction set control number.	0001
GE	1...1	-	Required. GS ... GE functional group trailer envelope. Child of ISA interchange. Only one GS group expected.	-
GE01	1...1	1/6	Required. Number of transaction sets in functional group.	5
GE02	1...1	1/9	Required. Functional group control number.	619827
IEA	1...1	-	Required. ISA ... IEA interchange control trailer envelope. Only one interchange expected per transmission.	-
IEA01	1...1	1/5	Required. Number of functional groups in interchange.	1
IEA02	1...1	9/9	Required. Interchange control number.	000000000619827

Example

```
ISA*00*ISA0210100*00*ISA0410100*07*7777776067344
*01*888888404358877*190125*0900*^*00501*000619827*0*P*>~
GS*CF*2222224043588*TRACELINK*20190125*095512*828691477*X*005010~
ST*301*0001~
```

B1*2ABC*123212332*20251008*N*Y*CPT~
G61*FC*Grame Smith*TE*897654~
Y3*12321**20251008*20251008*UN2343*NEWYORK*20251008*142851*J*BB*CT~
Y4*12321*12325*20251008*UN2343*1000*2K20*2ABC*CI*USLGB*AA~
W09*CN*35*FA*35**Vent setting temp to be maintained*A*50~
N9*CT*123456**20251008*142851~
R2A*1*D*J*SCAC***AA**desc~
N1*SU*Pharma customer*UL*3333331013655~
N2*addBName_SU*A3_SU~
N3*555 Neelan Road*Suite 123~
N4*Sacramento*CA*95833*US*CA*95833*US~
G61*FC*Grame Smith*TE*897654~
R4*0*CI*DBC345RGT*MIAMI*US*MIAMI*3789*CA~
DTM*140*20251008**ES*D8~
H3*DA*ABCD34567*HDN*VC*I~
LX*0010~
N7*SC*1234*98*T*100***101*B**CN*SCAC***1051*A*E*1*RE*110*111*7112~
W09*CN*114*FA*116**Vent setting temp to be maintained*A*50~
L0*1*121*EA*123*B*125*B*127*CNT*Rubber*E*RE*132*PLT*Y~
L5*501*desc502*CC*5*ENV~
L4*140*141*142*N*144*145~
L1*101*147*PF*149*150*151**DSC*E*C*E*desc112*****157*DK*0.1*EUR~
H1*3166*9*I*INTERNAL COMBUSTION*JOHN SMITH 8008518061*166*167*CE*III~
H2*Hazardous Material*Classification~
SE*10*0001~
GE*5*619827~
IEA*1*000619827~

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