TRACELINK UNIVERSITY

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

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◦ 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	**Required.** Interchange sender partner ID qualifier. **Valid values:** • 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.	7777776067344
ISA07	1...1	2/2	**Required.** Interchange receiver partner ID qualifier. **Valid values:** • 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

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Input Element	Occurs	Length	Description	Example
ISA11	1...1	1/1	**Required.** This value is dependent on X12 version. • 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.	0000000000619827
ISA14	1...1	1/1	**Required.** Interchange level acknowledgment requested. Valid values: • 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: • 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: • 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** • 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 decliend (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 voyege • D – Booking cancelled	N
B105	0...1	1/1	Code specifying partial load allowed in booking requirement. Valid values: • Y - true • N - false	Y
B106	0...1	3/3	**Required.** Code specifying reason behind booking cancel by carrier or customer. **Valid values** • 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: • 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
Y309	0...1	1/2	Transport method type. Valid values: • 01 - Truck • 02 - By Mail • 03 - Shipped by train • 04 - By sea • 05 - By air • MM - Multimodal shipment • LT - Less than truckload	J

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Input Element	Occurs	Length	Description	Example
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 - 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: • CE - Degree, Celsius • FA - Degree, Fahrenheit • KV - Degree Celsius per kelvin	FA
W0904	0...1	1/4	Equipment maximum allowable temperature.	35.64

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Input Element	Occurs	Length	Description	Example
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 • BO – 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 then 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.	-
N9(1)	0...100	-	Reference segment for mapping to the transaction references.	-

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Input Element	Occurs	Length	Description	Example
N901	1...1	2/3	**Required.** Reference identification qualifier for the contract class. **Valid values:** • 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** • 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 – Carier 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: • 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: • 01 - Truck • 02 - By Mail • 03 - Shipped by train • 04 - By sea • 05 - By air • MM - Multimodal shipment • LT - Less than truckload	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:** • 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:** • 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

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Input Element	Occurs	Length	Description	Example
R402	0...1	1/2	Code indicating type of location code. **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. • 0V – 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.	DBCF345RGT
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:** • 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:** • D6 - YYMMDD • D8 - CCYYMMDD • DD - DAYOFMONTH • DT - CCYYMMDDHHMM • MD - MMDD • T - MMDDYY • TM - HHMM • TQ - MMYY • 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.	-

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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:** • 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: • 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: • 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: • 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

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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: • 01 - Truck • 02 - By Mail • 03 - Shipped by train • 04 - By sea • 05 - By air • MM - Multimodal shipment • LT - Less than truckload	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

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Input Element	Occurs	Length	Description	Example
N704	0...1	1/2	Equipment weight qualifier. **Valid values:** • 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 • O - 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 • SO - 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:** • 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: • 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: • A - Actual • M - Marked	-
N717	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
N718	0...1	1/1	Equipment number check digit number.	2

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Input Element				Occurs	Length	Description	Example
			N719	0...1	2/2	Types of transport service requested which may differ from contract conditions. **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
			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: • 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: • CE - Degree, Celsius • FA- Degree, Fahrenheit • KV - Degree Celsius per kelvin	FA
			W0904	0...1	1/4	Equipment maximum allowable temperature.	35.64

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Input Element				Occurs	Length	Description	Example
			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 • BO – 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 then 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.	-
		L0		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.	-

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Input Element	Occurs	Length	Description	Example
L003	0...1	2/2	Billed quantity type, basis for rating. **Valid values** • 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:** • 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 • O - 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 • SO - 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:** • 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

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Input Element				Occurs	Length	Description	Example
			L009	0...1	3/3	Packing form of lading quantity. **Valid values** • 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 whever 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 – JugA 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

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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

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Input Element				Occurs	Length	Description	Example
			L404	1...1	1/1	**Required.** Unit of measurement for shipment dimensions. Valid values: • 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** • 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.	-

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Input Element	Occurs	Length	Description	Example
L108	0...1	3/3	Special charge or allowance code. **Valid values** • 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. • BLC – 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\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	Charge entitle party, party who pays the bill. Valid values: • S - Shipper • C - Consignee • I - Issuing carrier • D - Destination carrier	S
L111	0...1	1/1	Payment method for freight invoice charges. Valid values: • A - Prepaid cash • B - Prepaid credit • C - Collect cash • D - Collect credit • E - Collect • P - Prepaid	A

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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** • 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** • 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: • 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

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Input Element	Occurs	Length	Description	Example
H108	0...1	2/2	Code specifying 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 • BO – 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	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.	0000000000619827

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~
```

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```
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*O*CI*DBCF345RGT*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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