



EDI X12 300 Reservation (Booking Request)(Ocean)

Version: V4010

Author: Integration (One Network)

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300 Reservation (Booking Request) (Ocean) Message

Functional Group=RO

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Reservation (Booking Request) (Ocean) Transaction Set (300) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used by a shipper or a forwarder to reserve space, containers and equipment for transport by ocean vessel.

Usage Indicators:

Usage Indicators are applied at all levels of the guidelines and shown adjacent to data items such as segment groups, segments, composite data elements and simple data elements. They dictate the agreed usage of the data items or entities.

The Usage Indicators are:

Value	Description
M	Mandatory Indicates the item is mandatory in the UN/EDIFACT message.
X	Conditional The entity is used by agreement between trading partners
O	Optional Indicates that this item is at the need or discretion of both trading partners.
NA	Not Recommended (Advised) Indicates the item needn't be transmitted in this implementation.

Terminology:

Within this manual specific terminology will be used that you may not be familiar with. In order to give you some guidance, please find below the most important EDI terms and their according definitions.

Delimiters	<p>Segment Terminator: ~ Each segment in this message is separated by a ~ character</p> <p>Element Separator: * sign indicates the start of a new element, either a simple or composite element</p> <p>Sub element separator: + character indicates the start of a sub-element of a composite element.</p>
Segment	A segment is uniquely identified by a three-character mnemonic tag, which is used as a reference to a common group of business information. For example, Invoice number, shipment identification number and SCAC code information, all this data is contained in Beginning segment B3.
Service Segment	A service segment is a segment that contains non-business-related data. These segments usually include interchanges and messages, in the form of headers and trailers. For example, ISA and GS are typical service segments.
Segment Group	A segment group is a collection of segments that are related within a message structure. A simple example would be a group for details of transport. This would typically include a segment for the reference (using N9).

Composite Element	A composite element is a lower level of detail to identify business data within segment. It is normally used when a data item requires addition information. Each composite element has a unique code identifying it. A composite element could be used, for example when a data item is in the form of a code and it requires a type qualifier and also organization responsible for its maintenance.
Data Element	A data element is the lowest level within the EDI structure for holding data. Each data element has a unique code identifying it. A data element can exist as a stand-alone element or as a sub-element within a composite element.

EDI 300 Segments:

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1		Must use
	GS	Functional Group Header	M	1		Must use

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0100	ST	Transaction Set Header	M	1		Must Use
0200	B1	Beginning Segment for Booking or Pick-up/Delivery	M	1		Must Use
0250	G61	Contact	M	2		Must Use
0500	Y1	Space Reservation Request	M	1		Not used

<u>Loop ID – Y2</u>			<u>O</u>	-	<u>10</u>	
0600	Y2	Container Details	M		1	Must Use

0690	N9	Reference Identification	M		100	Must Use
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<u>Loop ID – N1</u>			<u>M</u>	-	<u>10</u>	
0800	N1	Name	M		1	Must Use
1000	N3	Address Information	O		2	Used
1100	N4	Geographic Location	O		1	Used
1200	G61	Contact	O		1	Used

<u>Loop ID – R4</u>			<u>M</u>	-	<u>20</u>	
1300	R4	Port or Terminal	M		1	Must Use
1400	DTM	Date/Time Reference	O		2	Used

1500	W09	Equipment and Temperature	O		1	Not Used
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Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
<u>Loop ID – LX</u>			<u>M</u>	-	<u>1</u>	
0100	LX	Assigned Number	M	1		Must Use
0400	LO	Line Item - Quantity and Weight	M	1		Must Use
0500	L5	Description, Marks and Numbers	M	1		Must Use
<u>Loop ID – H1</u>			<u>O</u>		<u>10</u>	-
0700	H1	Hazardous Material	O	1		Used
0800	H2	Additional Hazardous Material Description	O	10		Not Used
0900	V1	Vessel Identification	O	1		Not Used
1100	K1	Remarks	O	2		Used
0100	SE	Transaction Set Trailer	M	1		Used

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
	GE	Functional Group Trailer	M	1		Must use
	IEA	Interchange Control Trailer	M	1		Must use

ISA	Interchange Control Header	Mandatory	Max: 1
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User Option (Usage): Must use

Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage				
ISA01	Authorization Information Qualifier	M	ID	2/2	Must use				
	Description: Code to identify the type of information in the Authorization Information All valid standard codes are used.								
ISA02	Authorization Information	M	AN	10/10	Must use				
	Description: Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)								
ISA03	Security Information Qualifier	M	ID	2/2	Must use				
	Description: Code to identify the type of information in the Security Information All valid standard codes are used.								
ISA04	Security Information	M	AN	10/10	Must use				
	Description: This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)								
ISA05	Interchange ID Qualifier	M	ID	2/2	Must use				
	Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified All valid standard codes are used.								
ISA06	Interchange Sender ID	M	AN	15/15	Must use				
	Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element								
ISA07	Interchange ID Qualifier	M	ID	2/2	Must use				
	Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified Code List Summary								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Code</th> <th style="width: 75%;">Name</th> </tr> </thead> <tbody> <tr> <td>02</td> <td>SCAC (Standard Carrier Alpha Code)</td> </tr> </tbody> </table>					Code	Name	02	SCAC (Standard Carrier Alpha Code)
Code	Name								
02	SCAC (Standard Carrier Alpha Code)								
ISA08	Interchange Receiver ID	M	AN	15/15	Must use				
	Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them								
ISA09	Interchange Date	M	DT	6/6	Must use				
	Description: Date of the interchange								

ISA10	Interchange Time	M	TM	4/4	Must use
	Description: Time of the interchange				
ISA11	Interchange Control Standards Identifier	M	ID	1/1	Must use
	Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer All valid standard codes are used.				
ISA12	Interchange Control Version Number	M	ID	5/5	Must use
	Description: Code specifying the version number of the interchange control segments				
ISA13	Interchange Control Number	M	N0	9/9	Must use
	Description: A control number assigned by the interchange sender				
ISA14	Acknowledgment Requested	M	ID	1/1	Must use
	Description: Code sent by the sender to request an interchange acknowledgment (TA1) All valid standard codes are used.				
ISA15	Usage Indicator	M	ID	1/1	Optional
	Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information All valid standard codes are used.				
ISA16	Component Element Separator	M		1/1	Optional
	Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator				

Example:

```
ISA*00*      *00*      *ZZ*ONENETWORK  *ZZ*CLIENT
*170105*1640*U*00401*000000012*1*T*<
```

GS **Functional Group Header**

Mandatory

Max: 1

User Option (Usage): Must use

Purpose: To indicate the beginning of a functional group and to provide control information

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments: A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage				
GS01	Functional Identifier Code	M	ID	2/2	Must use				
	Description: Code identifying a group of application related transaction sets								
	Code List Summary								
	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>RO</td> <td>Reservation (Booking Request) (Ocean) Message (300)</td> </tr> </tbody> </table>					Code	Name	RO	Reservation (Booking Request) (Ocean) Message (300)
Code	Name								
RO	Reservation (Booking Request) (Ocean) Message (300)								
GS02	Application Sender's Code	M	AN	2/15	Must use				
	Description: Code identifying party sending transmission; codes agreed to by trading partners								
GS03	Application Receiver's Code	M	AN	2/15	Must use				
	Description: Code identifying party receiving transmission; codes agreed to by trading partners								
GS04	Date	M	DT	8/8	Must use				
	Description: Date expressed as CCYYMMDD								
GS05	Time	M	TM	4/8	Must use				
	Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)								
GS06	Group Control Number	M	N0	1/9	Must use				
	Description: Assigned number originated and maintained by the sender								
GS07	Responsible Agency Code	M	ID	1/2	Must use				
	Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480 All valid standard codes are used.								
GS08	Version / Release / Industry Identifier Code	M	AN	1/12	Must use				
	Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed								

Example:

GS*RO*ONENETWORK*CLIENT*20170105*1640*12*X*004010

ST	Transaction Set Header	Mandatory	Max: 1
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User Option (Usage): Must use

Purpose: To indicate the start of a transaction set and to assign a control number

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage				
ST01	Transaction Set Identifier Code	M	ID	3/3	Must use				
	Description: Code uniquely identifying a Transaction Set Code List Summary <table border="1" data-bbox="320 640 1023 703"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>300</td> <td>Reservation (Booking Request) (Ocean) Message</td> </tr> </tbody> </table>					Code	Name	300	Reservation (Booking Request) (Ocean) Message
Code	Name								
300	Reservation (Booking Request) (Ocean) Message								
ST02	Transaction Set Control Number	M	AN	4/9	Must use				
	Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set								

Example:

ST*300*10019

B1 Beginning Segment for Booking or Pick-up/Delivery Mandatory Max: 1

User Option (Usage): Must Use

Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage								
B102	Shipment Identification Number	M	AN	1/30	Must use								
	Description: Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification												
B103	Date	O	DT	8/8	Optional								
	Description: Standard Carrier Date Date expressed as CCYYMMDD Booking Request Date Booking Cancellation Date Booking Change Date Depending on B104 Code												
B104	Reservation Action Code	O	ID	1/1	Optional								
	Description: Code identifying whether it is a shipment or a movement.												
	<table border="1"> <tr> <th>Code</th> <th>Name</th> </tr> <tr> <td>N</td> <td>New</td> </tr> <tr> <td>D</td> <td>Reservation Cancelled</td> </tr> <tr> <td>U</td> <td>Change</td> </tr> </table>					Code	Name	N	New	D	Reservation Cancelled	U	Change
Code	Name												
N	New												
D	Reservation Cancelled												
U	Change												

Example: B1**M-OceanEDITest-1_22H0*20170105*N

G61 Contact Optional Max: 3

User Option (Usage): Must Use

Purpose: To identify a person or office to whom communications should be directed

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage				
G6101	Contact Function Code	M	ID	2/2	Must use				
	Description: Code identifying the major duty or responsibility of the person or group named								
	<table border="1"> <tr> <td>IC</td> <td>Information Contact</td> </tr> </table>					IC	Information Contact		
IC	Information Contact								
G6102	Name	M	AN	1/60	Must use				
	Description: Free-form name								
G6103	Communication Number Qualifier	X	ID	2/2	Used				
	Description: Code identifying the type of communication number								
	<table border="1"> <tr> <td>TE</td> <td>Telephone</td> </tr> <tr> <td>EM</td> <td>Electronic Mail</td> </tr> </table>					TE	Telephone	EM	Electronic Mail
TE	Telephone								
EM	Electronic Mail								

G6104	Communication Number	X	AN	1/80	Used
	Description: Complete communications number including country or area code when applicable				

Example:

G61*IC**EM

G61*IC**TE

Y1	Space Reservation Request	Mandatory	Max: 1
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User Option (Usage): Not used

Purpose: To specify information used to make a reservation for space on an ocean vessel

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
Y101	Sailing/Flight Date Estimated	O	DT	8/8	Not Used
	Description: Date for reservation expressed in format CCYYMMDD				
Y102	Date	X	DT	8/8	Not Used
	Description: Date expressed as CCYYMMDD				
Y103	Standard Carrier Alpha Code	O	ID	2/4	Not Used
	Description: Standard Carrier Alpha Code				
Y104	Transportation Method/Type Code	O	ID	1/2	Not Used
	Description: Code specifying the method or type of transportation for the shipment Code specifying the method or type of transportation for the shipment B - Barge J - Motor R - Rail S - Ocean				
Y105	Entity Identifier Code	O	ID	2/3	Not Used
	Description: Code identifying an organizational entity, a physical location, property or an individual Code identifying an organizational entity, a physical location, property or an individual CN - Consignee FW - Forwarder SH - Shipper				
Y106	City Name	O	AN	2/30	Not Used

	Description: Free-form text for city name				
Y107	State or Province Code	O	ID	2/2	Not Used
	Description: Code (Standard State/Province) as defined by appropriate government agency				
Y108	Tariff Service Code	O	ID	2/2	Not Used
	Description: Code specifying the types of services for rating purposes				
	NOTE: All cargo other than that specified in codes HH, HP, or PH whether shipped in containers or otherwise				
	DD	Door-to-Door			
	DP	Door to Pier			
	PD	Pier to Door			
	PP	Pier to Pier			
Y109	Date/Time Qualifier	X	ID	3/3	Not Used
	Description: Code specifying type of date or time, or both date and time				

Example : Y1*****DD

Loop Y2	Loop Container Details	Optional	Repeat 10
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Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
600	Y2	Container Details	O	1		Must use

Y2	Container Details	Optional	Max: 10
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User Option (Usage): Must use

Purpose: To specify container information and transportation service to be used

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage		
Y201	Number of Containers	M	N0	1/4	Must use		
	Description: Number of shipping Containers						
Y202	Container Type Request Code	O	ID	1/1	Not Used		
	Description: Code indicating type of container equipment requested						
Y203	Type of Service Code	O	ID	2/2	Not Used		
	Description: Code specifying extent of transportation service requested						
Y204	Equipment Type	M	ID	4/4	Must use		
	Description: Code identifying equipment type						
	<table border="1"> <tr> <td>22B0 20 Bulk</td> </tr> <tr> <td>22G0 20 Standard Dry</td> </tr> </table>					22B0 20 Bulk	22G0 20 Standard Dry
22B0 20 Bulk							
22G0 20 Standard Dry							

	22H0 20 Insulated				
	22P1 20 Flat Rack				
	22P3 20 Collapsible Flat Rack				
	22R1 20 Reefer				
	22T0 20 Tank				
	22U1 20 Open Top				
	22UP 20 Hard Top				
	22VH 20 Ventilated				
	29P0 20 Platform				
	42G0 40 Standard Dry				
	42H0 40 Insulated				
	42P1 40 Flat Rack				
	42P3 40 Collapsible Flat Rack				
	42R1 40 Reefer				
	42T0 40 Tank				
	42U1 40 Open Top				
	42UP 40 Hard Top				
	42VH 40 Ventilated				
	45G0 40 High Cube				
	45R1 40 Reefer High Cube				
	49P0 40 Platform				
	L5G1 45 High Cube				
	L5R1 45 Reefer High Cube				
Y205	Transportation Method/Type Code	O	ID	1/2	Not Used
	Description: Code specifying the method or type of transportation for the shipment				

Example: Y2*2

N9	Reference Identification	Optional	Max: 100
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User Option (Usage): Must use

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
N901	Reference Identification Qualifier	M	ID	2/3	Must use
	Description: Code qualifying the Reference Identification				
	SI	Shipper's Identifying Number for Shipment (SID) A unique number (to the shipper) assigned by the shipper to identify the shipment			
	BM	Bill of Lading Number			
N902	Reference Identification	X	AN	1/30	Must use
	Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Example:

N9*BM

N9*SI*M-OceanEDITest-1_22H0

Loop N1	Loop Name /Address Details	Mandatory	Repeat 10
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Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
800	N1	Name	M	1		Must use
1000	N3	Address Information	O	2		Optional
1100	N4	Geographic Location	O	1		Optional
1200	G61	Contact	O	3		Optional

N1	Name	Mandatory	Max: 1
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User Option (Usage): Must use

Purpose: To identify a party by type of organization, name, and code

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage																						
N101	Entity Identifier Code	M	ID	2/3	Must use																						
	<p>Description: Code identifying an organizational entity, a physical location, property or an individual.</p> <table border="1" style="width: 100%;"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>C9</td> <td>Contract Holder</td> </tr> <tr> <td>CN</td> <td>Consignee</td> </tr> <tr> <td>CA</td> <td>Carrier</td> </tr> <tr> <td>FW</td> <td>Forwarder</td> </tr> <tr> <td>SF</td> <td>Ship From</td> </tr> <tr> <td>ST</td> <td>Ship To</td> </tr> <tr> <td>SH</td> <td>Shipper</td> </tr> <tr> <td>N2</td> <td>Notify Partner no. 2</td> </tr> <tr> <td>NP</td> <td>Notify Party for Shippers Order</td> </tr> <tr> <td>ZZ</td> <td>Mutually Defined Booking Party</td> </tr> </tbody> </table>					Code	Name	C9	Contract Holder	CN	Consignee	CA	Carrier	FW	Forwarder	SF	Ship From	ST	Ship To	SH	Shipper	N2	Notify Partner no. 2	NP	Notify Party for Shippers Order	ZZ	Mutually Defined Booking Party
Code	Name																										
C9	Contract Holder																										
CN	Consignee																										
CA	Carrier																										
FW	Forwarder																										
SF	Ship From																										
ST	Ship To																										
SH	Shipper																										
N2	Notify Partner no. 2																										
NP	Notify Party for Shippers Order																										
ZZ	Mutually Defined Booking Party																										
N102	Name	X	AN	1/60	Used																						
	Description: Free Form name.																										
N103	Identification Code Qualifier	X	ID	1/2	Not Used																						
	<p>Description: Code designating the system/method of code structure used for Identification Code</p> <p>Code designating the system/method of code structure used for Identification Code (67)</p> <p>Accepted Values:</p> <p>93 - Code assigned by the organization originating the transaction set</p> <p>94 - Code assigned by the organization that is the ultimate destination of the transaction set</p>																										
N104	Identification Code	X	AN	2/80	Not Used																						
	Description: Code identifying a party or other code.																										

Example:

N1*C9

N1*CA*CarrierA

N3	Address Information	Optional	Max: 2
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User Option (Usage): Used

Purpose: To specify the location of the named party

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
N301	Address Information	M	AN	1/55	Must Use
	Description: Address Information				
N302	Address Information	O	AN	1/55	Used
	Description: Address Information				

Example:

N3*4055 Valley View*Suite# 400

N4	Geographic Location	Optional	Max: 1
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User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
N401	City Name	O	AN	2/30	Used
	Description: Free-form text for city name				
N402	State or Province Code	O	ID	2/2	Used
	Description: Code (Standard State/Province) as defined by appropriate government agency.				
N403	Postal Code	O	ID	3/15	Used
	Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	Country Code	O	ID	2/3	Used
	Description: Code identifying the country				

Example:

N4*Dallas*TX**US

G61	Contact	Optional	Max: 3
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User Option (Usage): Used

Purpose: To identify a person or office to whom communications should be directed

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage		
G6101	Contact Function Code	M	ID	2/2	Must use		
	Description: Code identifying the major duty or responsibility of the person or group named						
	<table border="1"> <tr> <td>CN</td> <td>General Contact</td> </tr> </table>					CN	General Contact
CN	General Contact						
G6102	Name	M	AN	1/60	Must use		
	Description: Free-form name						
G6103	Communication Number Qualifier	X	ID	2/2	Used		

	Description: Code identifying the type of communication number				
	TE	Telephone			
G6104	Communication Number	X	AN	1/80	Used
	Description: Complete communications number including country or area code when applicable				

Loop R4 **Loop Port or Terminal** **Mandatory** **Repeat 20**

User Option (Usage): Must use

Purpose: Port Or Terminal Information

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
1300	R4	Assigned Number	M	1		Must use
1400	DTM	Date/Time Reference	O	15		Must use

R4 **Port or Terminal** **Mandatory** **Max: 1**

User Option (Usage): Must Use

Purpose: Contractual or operational port or point relevant to the movement of the cargo

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage								
R401	Port or Terminal Function Code	M	ID	1/1	Must Use								
	Description: Code defining function performed at the port or terminal with respect to a shipment												
	<table border="1"> <tr> <td>D</td> <td>Port of Discharge (Operational) Port at which cargo is unloaded from vessel</td> </tr> <tr> <td>L</td> <td>Port of Loading (Operational) Port at which cargo is loaded on vessel</td> </tr> <tr> <td>E</td> <td>Place of Delivery (contractual) Place at which cargo leaves its care and custody of carrier</td> </tr> <tr> <td>R</td> <td>Place of Receipt (contractual) Place at which cargo enters the care and custody of carrier</td> </tr> </table>					D	Port of Discharge (Operational) Port at which cargo is unloaded from vessel	L	Port of Loading (Operational) Port at which cargo is loaded on vessel	E	Place of Delivery (contractual) Place at which cargo leaves its care and custody of carrier	R	Place of Receipt (contractual) Place at which cargo enters the care and custody of carrier
D	Port of Discharge (Operational) Port at which cargo is unloaded from vessel												
L	Port of Loading (Operational) Port at which cargo is loaded on vessel												
E	Place of Delivery (contractual) Place at which cargo leaves its care and custody of carrier												
R	Place of Receipt (contractual) Place at which cargo enters the care and custody of carrier												
R402	Location Qualifier	X	ID	1/2	Used								
	Description: Code identifying type of location												
	<table border="1"> <tr> <td>93</td> <td>Sender's Location Code</td> </tr> </table>					93	Sender's Location Code						
93	Sender's Location Code												
R403	Location Identifier	X	AN	1/30	Used								
	Description: Code which identifies a specific location Code which identifies a specific location MANDATORY UNLOCODE, Schedule D/K or "ZZ" if R402 = '93'												
R404	Port Name	O	AN	2/24	Must Use								
	Description: Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property												
	Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property If R402309 is "D" or "K", the port name must match the city name stored by A schedule D or K code may refer to many cities. The city name stored with the location identifier by overwrites the port name.												

Example: R4*D*93*CustomerA-Austin DC

DTM	Date/Time Reference	Optional	Max: 15
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User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
DTM01	Date/Time Qualifier	M	ID	3/3	Must Use
	Description: Code defining function performed at the port or terminal with respect to a shipment				
	118	Requested Pick-up			
	996	Required Delivery			
	369	Estimated Departure Date			
	371	Actual Departure Date			
DTM02	Date	X	DT	8/8	Used
	Description: Date expressed as CCYYMMDD				
DTM03	Time	X	TM	4/8	Used
	Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)				

Example: DTM*996*20170203

W09 Equipment and Temperature Optional Max: 1

User Option (Usage): Not Used

Purpose: To relate equipment type and required temperatures

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
W0901	Equipment Description Code	M	ID	2/2	Not Used
	Description: Code identifying type of equipment used for shipment CZ = refrigerated container				
W0902	Temperature	X	R	1/4	Not Used
	Description: Code indicating the reason a shipment status or appointment reason was transmitted				
W0903	Unit or Basis for Measurement Code	X	ID	2/2	Not Used
	Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CE = Centigrade, Celsius FA = Fahrenheit				
W0906	Free Form Message	O	AN	1/60	Not Used
	Description: Free-form text				
W0908	Percent	O	N0	1/3	Not Used
	Description: Percent expressed as 0 to 100				
W0909	Quantity	O	R	1/15	Not Used
	Description: Numeric value of quantity				

Loop LX Loop Assigned Number Mandatory Repeat 999

User Option (Usage): Must use

Purpose: To reference a line number in a transaction set

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
100	LX	Assigned Number	M	1		Must use
400	L0	Line Item - Quantity and Weight	O	1		Must use
500	L5	Description, Marks and Numbers	O	1		Must Use
		Loop H1	O		10	Optional

LX Assigned Number Optional Max: 1

User Option (Usage): Must use

Purpose: To reference a line number in a transaction set

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
LX01	Assigned Number	M	N0	1/6	Must use
	Description: Number assigned for differentiation within a transaction set				

Example: LX*1

L0	Line Item - Quantity and Weight	Optional	Max: 1
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User Option (Usage): Must Use

Purpose: To specify quantity, weight, volume, and type of service for a line item including applicable "quantity/rate-as" data

Ref	Element Description	Req	Type	Min/Max	Usage						
L001	Lading Line Item Number	O	N0	1/3	Used						
	Description: Sequential line number for a lading item										
L004	Weight	X	R	1/10	Used						
	Description: Numeric value of weight										
L005	Weight Qualifier	X	ID	1/2	Used						
	Description: Code defining the type of weight										
	<table border="1" style="width: 100%;"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>G</td> <td>Gross Weight</td> </tr> </tbody> </table>					Code	Name	G	Gross Weight		
Code	Name										
G	Gross Weight										
L008	Lading Quantity	X	N0	1/7	Used						
	Description: Number of units (pieces) of the lading commodity										
L009	Packaging Form Code	X	ID	3/3	Used						
	Description: Code for packaging form of the lading quantity										
	<table border="1" style="width: 100%;"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>PCS</td> <td>Pieces</td> </tr> </tbody> </table>					Code	Name	PCS	Pieces		
Code	Name										
PCS	Pieces										
L011	Weight Unit Code	O	ID	1/1	Used						
	Description: Code specifying the weight unit										
	<table border="1" style="width: 100%;"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>K</td> <td>Kilograms</td> </tr> <tr> <td>L</td> <td>Pounds</td> </tr> </tbody> </table>					Code	Name	K	Kilograms	L	Pounds
Code	Name										
K	Kilograms										
L	Pounds										

Example: L0*1***10000.00*G***1000*PCS**K

L5	Description, Marks and Numbers	Optional	Max: 1
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User Option (Usage): Must use

Purpose: To specify the line item in terms of description, quantity, packaging, and marks and numbers

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
L501	Lading Line Item Number	O	N0	1/3	Used

	Description: Sequential line number for a lading item				
L502	Lading Description	O	AN	1/50	Used
	Description: Description of an item as required for rating and billing purposes				

Example: L5*654321

Loop H1	Hazardous Material	Optional	Repeat 10
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User Option (Usage): Used

Purpose: To specify information relative to hazardous material.

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
700	H1	Hazardous Material	O	1		Used
800	H2	Additional Hazardous Material Description	O	10		Not Used

H1	Hazardous Material	Optional	Max: 1
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User Option (Usage): Used

Purpose: To specify information relative to hazardous material

Element Summary:

<u>Ref</u>	<u>Element Description</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>				
H101	Hazardous Material Code	M	AN	4/10	Must Use				
	Description: Code relating to hazardous material code qualifier for regulated hazardous materials								
	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>UN</td> <td>Number</td> </tr> </tbody> </table>	Code	Name	UN	Number				
Code	Name								
UN	Number								
H102	Hazardous Material Class Code	O	AN	1/4	Must Use				
	Description: Code specifying the kind of hazard for a material								
	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>IMO</td> <td>Code</td> </tr> </tbody> </table>	Code	Name	IMO	Code				
Code	Name								
IMO	Code								
H103	Hazardous Material Code Qualifier	O	ID	1/1	Used				
	Description: Code which qualifies the Hazardous Material Class Code (209)								
	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>I</td> <td>Intergovernmental Maritime Organization (IMO) Code</td> </tr> </tbody> </table>	Code	Name	I	Intergovernmental Maritime Organization (IMO) Code				
Code	Name								
I	Intergovernmental Maritime Organization (IMO) Code								
H104	Hazardous Material Description	O	AN	2/30	Not Used				
	Description: Material name, special instructions, and phone number if any								
H105	Hazardous Material Contact	O	AN	1/24	Used				

	Description: Phone number and name of person or department to contact in case of emergency												
H106	Hazardous Materials Page	O	AN	1/6	Used								
	Description: The United Nations page number as required for the international transport of hazardous materials												
H107	Flashpoint Temperature	X	N	1/3	Not Used								
	Description: The flashpoint temperature for hazardous material												
H108	Unit or Basis for Measurement Code	X	ID	2/2	Not Used								
	Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken												
	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>CE</td> <td>Centigrade, Celsius</td> </tr> <tr> <td>FA</td> <td>Fahrenheit</td> </tr> </tbody> </table>		Code	Name	CE	Centigrade, Celsius	FA	Fahrenheit					
Code	Name												
CE	Centigrade, Celsius												
FA	Fahrenheit												
H109	Packing Group Code	O	ID	1/3	Used								
	Description: Code indicating degree of danger in terms of Roman number I, II or III												
	<table border="1"> <thead> <tr> <th>Code</th> <th>Name</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Great Danger</td> </tr> <tr> <td>2</td> <td>Medium Danger</td> </tr> <tr> <td>3</td> <td>Minor Danger</td> </tr> </tbody> </table>		Code	Name	1	Great Danger	2	Medium Danger	3	Minor Danger			
Code	Name												
1	Great Danger												
2	Medium Danger												
3	Minor Danger												

H2	Additional Hazardous Material Description	Optional	Max: 10
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User Option (Usage): Not Used

Purpose: To specify free-form hazardous material descriptive data in addition to the information provided in the H1 segment

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
H201	Hazardous Material Description	M	AN	2/30	Not Used
	Description: Material name, special instructions, and phone number if any				
H202	Hazardous Material Classification	O	AN	1/30	Not Used
	Description: Free-form description of hazardous material classification or division or label requirements				

V1 Vessel Identification Optional Max: 2

User Option (Usage): Not Used

Purpose: To provide vessel details and voyage number

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
V102	Vessel Name	X	AN	2/28	Not Used
	Description: Name of ship as documented in 'Lloyd' Register of Ship';				
V104	Flight/Voyage Number	O	N	2/10	Not Used
	Description: Identifying designator for the particular flight or voyage on which the cargo travels				
V105	Standard Carrier Alpha Code	O	ID	2/4	Not Used
	Description: Standard Carrier Alpha Code				

K1 Remarks Optional Max: 2

User Option (Usage): Used

Purpose: To transmit information in a free-form format for comment or special instruction

Ref	Element Description	Req	Type	Min/Max	Usage
K101	Free-Form Message	M	AN	1/30	Used
	Description: Free-form information				
K102	Free-Form Message	O	AN	1/30	Not Used
	Description: Free-form information				

K1*Message

SE Transaction Set Trailer Mandatory Max: 1

User Option (Usage): Used

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
SE01	Number of Included Segments	M	N0	1/10	Used
	Count of segments included (does not include Header and Footer segments)				
SE02	Transaction Set Control Number	M	AN	4/9	Used
	Same as Transaction Set Control Number as in ST segment				

Example:

SE*4*001001966

GE	Functional Group Trailer	Mandatory	Max: 1
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User Option (Usage): Must Use

Purpose: To indicate the end of a functional group and to provide control information

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
GE01	Number of Transaction Sets Included	M	N0	1/6	Must Use
	Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element				
GE02	Group Control Number	M	N0	1/9	Must Use
	Description: Assigned number originated and maintained by the sender. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.				

Example:

GE*1*001001960

IEA	Interchange Control Trailer	Mandatory	Max: 1
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User Option (Usage): Must Use

Purpose: To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

Ref	Element Description	Req	Type	Min/Max	Usage
IEA01	Number of Included Functional Groups	M	N0	1/5	Must Use
	Description: A count of the number of functional groups included in an interchange				
IEA02	Interchange Control Number	M	N0	9/9	Must Use
	Description: A control number assigned by the interchange sender				

Example:

IEA*1*001001956

Sample EDI 300:

ISA*00* *00* *ZZ*ONENETWORK *ZZ*CLIENT
*170105*1640*U*00401*000000012*1*T*<
GS*RO*ONENETWORK*CLIENT*20170105*1640*12*X*004010
ST*300*10019
B1**M-OceanEDITest-1_22H0*20170105*N
G61*IC**EM
G61*IC**TE
Y1*****DD
Y2*2
N9*BM
N9*SI*M-OceanEDITest-1_22H0
N1*C9
N1*CA*CarrierA
N3*4055 Valley View*Suite# 400
N4*Dallas*TX**US
N1*CN*CustomerA
N3*TstAsldnsl
N4*Pune**411007*INDIA
N1*FW*CustomerA
N3*3427 Parker Lane
N4*Austin*TX**US
N1*SF*CustomerA-Austin DC
N3*3427 Parker Lane
N4*Austin*TX**US
G61*CN*CustomerA
N1*SH*CustomerA
N1*ST
N3*TstAsldnsl
N4*Pune**411007*INDIA
R4*D*93*CustomerA-Austin DC
DTM*996*20170203
L0****112*G***23*PCS
L5**lading description
SE*34*10019
GE*1*12
IEA*1*000000012