

# **300 Booking Request For Customer**

**Version: 8.4**

**Company: Flexport**

## Conventions used in this Implementation Guide::

1. The segment hierarchy lists all the segments of ASC X 12 standards. Segments which are not used by Flexport are indicated with \* sign. You may send these segments, but CS will not use them.

2. A detailed description of each segment is listed with the segment ID and name, level (header, detail, or summary), loop (if the segment is contained within a loop), loop repeat (for the first segment in the loop), requirement within the transaction set (as required by CS), maximum use, purpose (as defined by ASC X12), ASC X12 syntax notes, ASC X12 comments for segment usage, notes that explain CS convention for the segment within the transaction set and a valid sample of that segment.

3. The data element summary lists each data element, in order, for the segment. The data element summary includes the following types of information:

a. Req - This is the segment identifier with the data element sequence number within the segment.

b. Id - This is the number assigned to the data element by ASC X12. This number may be used for direct reference into the ASC X12 Data Element Dictionaries

c. Element Name - This is the name assigned to the data element by ASC X12, in the ASC X12 Data Element Dictionary.

d. Req - Element Usage based on ASC X12 standard and CS requirement. Below are the values used:

M Mandatory

The data element must be used if the segment is used.

O Optional

The data element may be used if the segment is used.

C Conditional

The data element may be used - its presence is dependent on the presence or absence of other data elements in the same segment. The particular condition/relation will be stated in the CS Notes section for that segment.

e. Type - Element Type based on ASC X12 standard and CS requirement. Below are the values used:

ID Identifier

Values for the identifier-type data elements are taken from a predefined list in the ASC X12 Data Element Dictionary.

AN String

Values for the string-type data element are a sequence of any printable characters.

DT Date

Values for the date-type data element are in the format YYMMDD.

TM Time

Values for a time-type data element are in the format HHMM expressed in 24 hour clock.

Nx Numeric

Values for a numeric data element are in an implied decimal format, where "x" indicates the number of places to the right of the decimal point. For negative values the leading minus sign (-) is used. Absence of a minus sign indicates a positive number. The decimal point is not transmitted the character stream.

e.g.,

N0 is a whole number (999.)

To send the number 999 the field contains "999"

N2 is 999.99

To send the number 999.99 the field contains "99999"

R Decimal

This is a numeric field in character format, with a decimal point included. It is treated as alpha/numeric. The decimal point is not sent for whole numbers. The decimal point is not included in the calculation of data element field length. For negative values the leading minus sign(-) is used. Absence of a minus sign indicates a positive number.

e.g.,

to send the number 0128.734 the field contains "128.734"

to send the number 0789.00 the field contains "789"

f. Minimum/Maximum - This is the minimum and maximum length the field can be.

g. Usage - Element Usage based on CS mapping. Below are values used:

*Must Use*

CS is mapping this data element to a mandatory field in internal files and CS DB.

Unavailability of this element will lead to CS failure.

*Used*

CS may map this data element but unavailability will not cause failure.

*Not Used*

CS is not mapping this data element to internal files and data is not extracted/loaded to

CS DB.

h. Code values - CS supported values for each element.

**Revision History:**

Version Number	Version Date	Change Description
8.4	26 Sep'18	- Added option "A" for N902 when N901="9V"
8.3	2Mar'18	- Added enum "9V" for N901 - Updated field length for V102 to 35 characters - Updated usage for LoopL0.H2 segment - Updated field length for H202 to 512 characters
8.2	16Feb'16	- Updated field length for V101 to 20 characters - Updated samples
8.1	13Jan'16	- Updated Usage for Y203 and Sample for Y2
8.0	30Mar'15	Initial Release

# 300 Reservation (Booking Request) (Ocean)

Functional Group ID=**RO**

## Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	B1	Beginning Segment for Booking or Pick-up/Delivery	M	1		
Not Used	025	G61	Contact	O	3		
Not Used	030	Y6	Authentication	O	2		
Not Used	040	Y7	Priority	O	1		
M	050	Y1	Space Reservation Request	M	1		
						10	
M	060	Y2	Container Details	M	1		
	065	W09	Equipment and Temperature	O	1		
M	069	N9	Reference Identification	M	99		
Not Used	070	R2A	Route Information with Preference	O	25		
						10	
M	080	N1	Name	M	1		
	090	N2	Additional Name Information	O	1		
	100	N3	Address Information	O	2		
	110	N4	Geographic Location	O	1		
	120	G61	Contact	O	3		
						20	
M	130	R4	Port or Terminal	M	1		
	140	DTM	Date/Time Reference	O	15		
Not Used	150	W09	Equipment and Temperature	O	1		
	160	H3	Special Handling Instructions	O	2		
	170	EA	Equipment Attributes	O	5		

## Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
						999	
M	010	LX	Assigned Number	M	1		
Not Used	020	N7	Equipment Details	O	1		
Not Used	021	W09	Equipment and Temperature	O	1		
Not Used	030	DTM	Date/Time Reference	O	1		
M	040	L0	Line Item - Quantity and Weight	M	1		
M	050	L5	Description, Marks and Numbers	M	1		

	060	L4	Measurement	O	1	
Not Used	065	L1	Rate and Charges	O	1	
	LOOP ID - H1					99
	070	H1	Hazardous Material	C	1	
	080	H2	Additional Hazardous Material Description	O	10	
	090	V1	Vessel Identification	O	2	
Not Used	100	V9	Event Detail	O	10	
	110	K1	Remarks	O	9	

**Summary:**

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

**Segment:** **ISA** Interchange Control Header  
**Position:** 010  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To start and identify an interchange of zero or more functional groups and interchange-related control segments

**Syntax Notes:**

**Comments:**

**Notes:**

Sample:  
 ISA\*00\* \*00\* \*ZZ\*YOURID \*ZZ\*FLEXPORTEDI  
 \*080401\*1423\*U\*00401\*000012620\*1\*P\*>~

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
ISA01	I01	<b>Authorization Information Qualifier</b> Code to identify the type of information in the Authorization Information 00 No Authorization Information Present (No Meaningful Information in I02)	<b>M ID 2/2</b>
ISA02	I02	<b>Authorization Information</b> 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)	<b>M AN 10/10</b>
ISA03	I03	<b>Security Information Qualifier</b> Code to identify the type of information in the Security Information 00 No Security Information Present (No Meaningful Information in I04)	<b>M ID 2/2</b>
ISA04	I04	<b>Security Information</b> 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)	<b>M AN 10/10</b>
ISA05	I05	<b>Interchange ID Qualifier</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified ZZ Mutually Defined	<b>M ID 2/2</b>
ISA06	I06	<b>Interchange Sender ID</b> 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 YOURID Your Interchange ID	<b>M AN 15/15</b>
ISA07	I05	<b>Interchange ID Qualifier</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified ZZ Flexport Qualifier	<b>M ID 2/2</b>
ISA08	I07	<b>Interchange Receiver ID</b> 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 FLEXPORTEDI Flexport Interchange ID	<b>M AN 15/15</b>

<b>ISA09</b>	<b>I08</b>	<b>Interchange Date</b> Date of the interchange	<b>M DT 6/6</b>				
<b>ISA10</b>	<b>I09</b>	<b>Interchange Time</b> Time of the interchange	<b>M TM 4/4</b>				
<b>ISA11</b>	<b>I10</b>	<b>Interchange Control Standards Identifier</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer	<b>M ID 1/1</b>				
<b>ISA12</b>	<b>I11</b>	<b>Interchange Control Version Number</b> This version number covers the interchange control segments 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	<b>M ID 5/5</b>				
<b>ISA13</b>	<b>I12</b>	<b>Interchange Control Number</b> A control number assigned by the interchange sender	<b>M N0 9/9</b>				
<b>ISA14</b>	<b>I13</b>	<b>Acknowledgment Requested</b> Code sent by the sender to request an interchange acknowledgment (TA1)	<b>M ID 1/1</b>				
<b>ISA15</b>	<b>I14</b>	<b>Usage Indicator</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information	<b>M ID 1/1</b>				
<table border="0"> <tr> <td>P</td> <td>Production Data</td> </tr> <tr> <td>T</td> <td>Test Data</td> </tr> </table>				P	Production Data	T	Test Data
P	Production Data						
T	Test Data						
<b>ISA16</b>	<b>I15</b>	<b>Component Element Separator</b> 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	<b>M AN 1/1</b>				

**Segment:** **GS** **Functional Group Header**  
**Position:** 020  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of a functional group and to provide control information  
**Syntax Notes:**  
**Comments:** 1 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.  
**Notes:** Sample:  
GS\*RO\*YOURID\*FLEXPORTEDI\*20080401\*1423\*12613\*X\*004010~

#### Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
GS01	479	<b>Functional Identifier Code</b> Code identifying a group of application related transaction sets RO Ocean Booking information (300,301,303)	<b>M ID 2/2</b>
GS02	142	<b>Application Sender's Code</b> Code identifying party sending transmission; codes agreed to by trading partners YOURID Your Functional Group ID	<b>M AN 2/15</b>
GS03	124	<b>Application Receiver's Code</b> Code identifying party receiving transmission; codes agreed to by trading partners FLEXPORTEDI Flexport Functional Group ID	<b>M AN 2/15</b>
GS04	373	<b>Date</b> Date expressed as CCYYMMDD	<b>M DT 8/8</b>
GS05	337	<b>Time</b> 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)	<b>M TM 4/8</b>
GS06	28	<b>Group Control Number</b> Assigned number originated and maintained by the sender	<b>M N0 1/9</b>
GS07	455	<b>Responsible Agency Code</b> Code used in conjunction with Data Element 480 to identify the issuer of the standard X Accredited Standards Committee X12	<b>M ID 1/2</b>
GS08	480	<b>Version / Release / Industry Identifier Code</b> 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 004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997	<b>M AN 1/12</b>



**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Comments:**  
**Notes:**

Sample:  
ST\*300\*1230001~

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
ST01	143	Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set	
		300 Reservation (Booking Request) (Ocean)	
ST02	329	Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

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

Sample:  
 B1\*COSU\*5648133\*20140530\*N~

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>B101</b>	<b>140</b>	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	<b>M ID 2/4</b>
		CS Note: Carrier SCAC code will be used for carrier identification to fulfill EDI requirement	
<b>B102</b>	<b>145</b>	<b>Shipment Identification Number</b> Identification number assigned to the shipment by the shipper that uniquely identifies the shipment from origin to ultimate destination and is not subject to modification; (Does not contain blanks or special characters)	<b>O AN 1/30</b>
		CS Note: Shipment Identification Number will be the key / identifier of a Booking Request for Amendment. [CargoSmart REQUIRED]	
<b>B103</b>	<b>373</b>	<b>Date</b> Date expressed as CCYYMMDD	<b>M DT 8/8</b>
<b>B104</b>	<b>558</b>	<b>Reservation Action Code</b> Code identifying action on reservation or offering	<b>M ID 1/1</b>
		CS Note: If it is not provided, CargoSmart will default it to N - New.	
		D	Reservation Cancelled
		N	New
		U	Change

**Segment:** **Y1** Space Reservation Request  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify information used to make a reservation for space on an ocean vessel  
**Syntax Notes:**  
**Comments:**  
**Notes:**

Sample:  
 Y1\*20140606\*20140529\*COSU\*\*\*\*\*DP~

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>Y101</b>	<b>135</b>	<b>Sailing Date Estimated</b> Date for reservation expressed in format CCYYMMDD	<b>O DT 8/8</b>
<b>Y102</b>	<b>373</b>	<b>Estimated Arrival Date</b> Date expressed as CCYYMMDD	<b>O DT 8/8</b>
<b>Y103</b>	<b>140</b>	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	<b>O ID 2/4</b>
<b>Y108</b>	<b>375</b>	<b>Tariff Service Code</b> Code specifying the types of services for rating purposes	<b>M ID 2/2</b>

CS Note:  
 CargoSmart recommends customer to provide full container pick-up location, appointment date time, and contact information in N1(NA\_01=SF) for outbound carrier haulage required when Y1\_08=DD/DP

DD	Door-to-Door
DP	Door-to-Pier
PD	Pier-to-Door
PP	Pier-to-Pier

**Segment:** **Y2 Container Details**  
**Position:** 060  
**Loop:** Y2 Mandatory  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify container information and transportation service to be used  
**Syntax Notes:**  
**Comments:**  
**Notes:**

Sample:  
 Y2\*1\*C\*03\*22G0~

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>Y201</b>	<b>95</b>	<b>Number of Containers</b> Number of shipping containers	<b>M N0 1/4</b>
<b>Y202</b>	<b>78</b>	<b>Container Type Request Code</b> Code indicating type of container equipment requested C Containers with Chassis S Shipper To Provide - None Requested	<b>O ID 1/1</b>
<b>Y203</b>	<b>56</b>	<b>Type of Service Code</b> Code specifying extent of transportation service requested 02 LCL/LCL 03 FCL/FCL 04 FCL/LCL 05 LCL/FCL	<b>O ID 2/2</b>
<b>Y204</b>	<b>24</b>	<b>Equipment Type</b> Code identifying equipment type	<b>M ID 4/4</b>

CS Note:  
 Refer to Appendix for full list from CargoSmart.  
 For customized code list, please contact CargoSmart for more details.

**Segment:** **W09** Equipment and Temperature  
**Position:** 065  
**Loop:** Y2 Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To relate equipment type and required temperatures  
**Syntax Notes:** 1 If either W0902 or W0903 is present, then the other is required.  
 2 If either W0904 or W0905 is present, then the other is required.

**Comments:**  
**Notes:**

CS Note:  
 Required for Reefer equipment is in use. For Non-Operating Reefer equipment, W09 should not be provided and need to use EA segment with EA\_01=RAD to represent.  
  
 Sample:  
 W09\*CZ\*50\*FA\*\*\*\*E\*\*0~

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
<b>W0901</b>	<b>40</b>	<b>Equipment Description Code</b> Code identifying type of equipment used for shipment CZ Refrigerated Container	<b>M ID 2/2</b>
<b>W0902</b>	<b>408</b>	<b>Temperature</b> Temperature	<b>X R 1/4</b>
<b>W0903</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b> 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	<b>X ID 2/2</b>
<b>W0907</b>	<b>1122</b>	<b>Vent Setting Code</b> Code describing the setting on the air vents on ocean-type containers A Vent 25% Open B Vent 50% Open C Vent 75% Open D Vent 100% Open E Closed	<b>O ID 1/1</b>

**Segment:** **N9 Reference Identification**  
**Position:** 069  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 99  
**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier  
**Syntax Notes:** 1 If either C04003 or C04004 is present, then the other is required.  
 2 If either C04005 or C04006 is present, then the other is required.  
**Comments:**  
**Notes:**

**CS Note:**  
 The SOLAS VGM (Verified Gross Mass) value, unit and measurement method can be provided in this N9 segment. If SOLAS VGM is provided, N9\_03\_369 should be used as container number with check digit.  
  
**Sample:**  
 N9\*SI\*5648133~  
 N9\*9V\*P~  
 N9\*VGM\*5212.6\*CNTR1234567~  
 N9\*VGD\*1\*CNTR1234567~  
 N9\*VGU\*K\*CNTR1234567~

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
N901	128	<b>Reference Identification Qualifier</b>	<b>M ID 2/3</b>
		Code qualifying the Reference Identification	
		9V Payment Category	
		CS Note:	
		To indicate payment method as C (Collect), P (Prepaid) or A (Payable Elsewhere) for the booking party	
		BM Bill of Lading Number	
		BN Booking Number	
		CR Customer Reference Number	
		CT Contract Number	
		FN Forwarder's/Agent's Reference Number	
		IK Invoice Number	
		PO Purchase Order Number	
		SI Shipper's Identifying Number for Shipment (SID)	
		TS Tariff Number	
		ZZ Mutually Defined	
		CS Note:	
		This reference number is assigned by CargoSmart, and always sent to carrier. Carrier must always return this number to CargoSmart in Booking Confirmation.	
N902	127	<b>Reference Identification</b>	<b>O AN 1/30</b>
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
		CS Note:	
		For VGM Measurement method,	
		1 - Method 1	
		2 - Method 2	

For VGM Unit,  
K - Kilograms  
L - Pounds

**Segment:** **N1** Name  
**Position:** 080  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 If either N103 or N104 is present, then the other is required.  
**Comments:** 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.  
2 N105 and N106 further define the type of entity in N101.  
**Notes:** Sample:  
N1\*SH\*SHIPPER NAME.\*25\*56782~  
N1\*BK\*BOOKING PARTYNAME\*25\*2157869~  
N1\*CA\*COSU~

### Data Element Summary

Ref. Des.	Data Element	Name	Attributes
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual	M ID 2/3
		BK Booking Party CS Note: CargoSmart Required	
		CA Carrier	
		CN Consignee	
		FW Forwarder	
		N1 Notify Party no. 1 CS Note: First Notify Party	
		N2 Notify Party no. 2 CS Note: Can be multiple if there is more than 2 Notify Party	
		SF Ship From CargoSmart recommends customer to provide full container pick-up location, appointment date time, and contact information for outbound carrier haulage required when Y1_08=DD/DP	
		SH Shipper CS Note: CargoSmart Required	
N102	93	Name Free-form name CS Note: Mandatory for N1_01_98="CA" to provide carrier SCAC.	M AN 1/60
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 25 Carrier's Customer Code	O ID 1/2



**N104**

**67**

**Identification Code**

**O AN 2/80**

Code identifying a party or other code

CS Note:

Carrier customer code

**Segment:** N2 Additional Name Information  
**Position:** 090  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify additional names or those longer than 35 characters in length  
**Syntax Notes:**  
**Comments:**  
**Notes:**

CS Note:  
 If N101 = R1 (Weighing party), N2 should be provided as the signature (name in capitals) of the person authorised to sign the document declaring the verified gross mass.  
  
 Sample:  
 N2\*CHRIS WONG~

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N201	93	Name Free-form name	M AN 1/60
N202	93	Name Free-form name	O AN 1/60

**Segment:** N3 Address Information  
**Position:** 100  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Comments:**  
**Notes:**

**CS Note:**  
 Address information will be truncated if exceeds maximum length supported by carrier  
  
**Sample:**  
 N3\*Address1\*Address2~

**Data Element Summary**

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

**Segment:** **N4 Geographic Location**  
**Position:** 110  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Comments:** 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.  
 2 N402 is required only if city name (N401) is in the U.S. or Canada.  
**Notes:** Sample:  
 N4\*GREELEY\*CO\*80634\*US~

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N401	19	City Name Free-form text for city name	O AN 2/30
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15
N404	26	Country Code Code identifying the country	O ID 2/3
N405	309	Location Qualifier Code identifying type of location D Census Schedule D K Census Schedule K UN United Nations Location Code (UNLOCODE)	C ID 1/2
N406	310	Location Identifier Code which identifies a specific location	C AN 1/30

**Segment:** **G61 Contact**  
**Position:** 120  
**Loop:** N1 Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom communications should be directed  
**Syntax Notes:** 1 If either G6103 or G6104 is present, then the other is required.  
**Comments:** 1 G6103 qualifies G6104.  
**Notes:** CS Note:  
 CargoSmart highly recommends to provide contact information for Booking Party  
 Sample  
 G61\*IC\*Susan Chan\*TE\*215-123-8123~

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
G6101	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named IC Information Contact	M ID 2/2
G6102	93	<b>Name</b> Free-form name If a person's name is provided, the format is: firstName; lastName. CS will only use first 35 characters of this field.	M AN 1/60
G6103	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number EM Electronic Mail FX Facsimile TE Telephone	C ID 2/2
G6104	364	<b>Communication Number</b> Complete communications number including country or area code when applicable CS Note: Recommended phone number format: <country code>-<area code>-<phone number>	C AN 1/80

**Segment:** **R4** Port or Terminal  
**Position:** 130  
**Loop:** R4 Mandatory  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** Contractual or operational port or point relevant to the movement of the cargo  
**Syntax Notes:** 1 If either R402 or R403 is present, then the other is required.  
**Comments:** 1 R4 is required for each port to be identified.

**Notes:** CS Note:  
 First Port of Load (R4\_01 = L) and Last Port of Discharge (R4\_01 = D) must always be provided, where some carriers request it as mandatory information.  
 CargoSmart recommends using UN/ECE location Code to present location, which generally accepted by carriers.

Sample:  
 R4\*R\*UN\*AUMEL\*MELBOURNE\*AU~  
 R4\*L\*UN\*AUMEL\*MELBOURNE\*AU~  
 R4\*D\*UN\*CNXIA\*XIAMEN\*CN~  
 R4\*E\*UN\*CNXIA\*XIAMEN\*CN~

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
R401	115	Port or Terminal Function Code	M ID 1/1
		Code defining function performed at the port or terminal with respect to a shipment	
		D Port of Discharge (Operational)	
		Usage:	
		Must use in all scenarios	
		E Place of Delivery (Contractual)	
		Usage:	
		CargoSmart recommend to provide	
		L Port of Loading (Operational)	
		Usage:	
		Must use in all scenarios	
		R Place of Receipt (Contractual)	
		Usage:	
		CargoSmart recommend to provide	
R402	309	Location Qualifier	C ID 1/2
		Code identifying type of location	
		D Census Schedule D	
		K Census Schedule K	
		UN United Nations Location Code (UNLOCODE)	
R403	310	Location Identifier	C AN 1/30
		Code which identifies a specific location	
		CS Note:	
		CargoSmart highly recommends UN/ECE code, which generally accepted by carriers.	
R404	114	Port Name	O AN 2/24

		Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property	
<b>R405</b>	<b>26</b>	<b>Country Code</b>	<b>O ID 2/3</b>
		Code identifying the country	
<b>R408</b>	<b>156</b>	<b>State or Province Code</b>	<b>O ID 2/2</b>
		Code (Standard State/Province) as defined by appropriate government agency	

**Segment:** **DTM** Date/Time Reference  
**Position:** 140  
**Loop:** R4 Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 15  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**

- 1 If DTM04 is present, then DTM03 is required.
- 2 If either DTM05 or DTM06 is present, then the other is required.
- 3 At least one of DTM02 DTM03 or DTM05 is required.

**Comments:**

**Notes:**

Sample:  
DTM\*139\*20151018\*2300~

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 139 Estimated	M ID 3/3
DTM02	373	Date Date expressed as CCYYMMDD	C DT 8/8
DTM03	337	Time 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)	C TM 4/8



**Segment:** **H3** Special Handling Instructions  
**Position:** 160  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify special handling instructions in coded or free-form format  
**Syntax Notes:**  
**Comments:**  
**Notes:**

Sample:  
H3\*OFU~

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>H301</b>	<b>152</b>	<b>Special Handling Code</b> Code specifying special transportation handling instructions OFU Fumigation OOD On Deck Stowage OSB Stow Below Deck	<b>M ID 2/3</b>
<b>H302</b>	<b>153</b>	<b>Special Handling Description</b> Free-form additional description of special handling instructions to appear on printed bill if special handling code is not adequate	<b>O AN 2/30</b>

**Segment:** **EA** Equipment Attributes  
**Position:** 170  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 5  
**Purpose:** To specify attributes required for a piece of equipment  
**Syntax Notes:** 1 If either EA02 or EA03 is present, then the other is required.  
**Comments:** 1 When EA01 is "PCO", "PSE", "DHT", "DWI", "YEA" or "MCP", EA02 and EA03 are required.

**Notes:** CS Note:  
 Pre-cooling information when EA\_01=PCO  
 Generator set information when EA\_01 =CO/NR/US,only can have 1 generator set information in total  
 Atmosphere type information when EA\_01=CA  
 Non-operational Reefer information when EA\_01=RAD  
  
 Sample:  
 EA01\*RAD~

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
EA01	1402	Equipment Attribute Code	M ID 2/3
		Code specifying attributes of a piece of equipment	
		ATM	Atmosphere Controlled
		CO	Clip On
		NR	Not Required
		PCO	Pre-cooled
		RAD	Reefer Used As Dry
		US	Underslung

**Segment:** **LX** Assigned Number  
**Position:** 010  
**Loop:** LX Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To reference a line number in a transaction set  
**Syntax Notes:**  
**Comments:**  
**Notes:** Sample:  
 LX\*1~

**Data Element Summary**

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

**Segment:** **L0** Line Item - Quantity and Weight

**Position:** 040

**Loop:** LX Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

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

**Syntax Notes:**

- 1 If L011 is present, then L004 is required.
- 2 If either L004 or L005 is present, then the other is required.
- 3 If either L006 or L007 is present, then the other is required.
- 4 If either L008 or L009 is present, then the other is required.

**Comments:** 1 L013 is used to convey the total number of boxes, cartons, or pieces contained on a pallet, skid, or slip sheet for the line item.

**Notes:** Sample:

L0\*1\*\*\*17606.034\*G\*24.885\*X\*7\*PCS\*\*K~

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
L001	213	<b>Lading Line Item Number</b> Sequential line number for a lading item	O N0 1/3
Must Use	L004	<b>81 Weight</b> Numeric value of weight	C R 1/10
Must Use	L005	<b>187 Weight Qualifier</b> Code defining the type of weight G Gross Weight N Actual Net Weight	C ID 1/2
	L006	<b>183 Volume</b> Value of volumetric measure	C R 1/8
	L007	<b>184 Volume Unit Qualifier</b> Code identifying the volume unit E Cubic Feet X Cubic Meters	C ID 1/1
	L008	<b>80 Lading Quantity</b> Number of units (pieces) of the lading commodity	O N0 1/7
	L009	<b>211 Packaging Form Code</b> Code for packaging form of the lading quantity	O ID 3/3
	L011	<b>188 Weight Unit Code</b> Code specifying the weight unit E Metric Ton K Kilograms	M ID 1/1

L Pounds

**Segment:** **L5** Description, Marks and Numbers

**Position:** 050

**Loop:** LX Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

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

**Syntax Notes:** 1 If either L503 or L504 is present, then the other is required.

**Comments:** 1 L502 may be used to send quantity information as part of the product description.

**Notes:** CS Note:

Cargo description information will be truncated if exceeds maximum length supported by carrier

Sample:

L5\*1\*PHOTOGRAPHIC MATERIALS AND RELATED ARTICLES\*903210\*J~

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>L501</b>	<b>213</b>	<b>Lading Line Item Number</b> Sequential line number for a lading item	<b>O N0 1/3</b>
<b>L502</b>	<b>79</b>	<b>Lading Description</b> Description of an item as required for rating and billing purposes	<b>M AN 1/50</b>
<b>L503</b>	<b>22</b>	<b>Commodity Code</b> Code describing a commodity or group of commodities	<b>O AN 1/30</b>
<b>L504</b>	<b>23</b>	<b>Commodity Code Qualifier</b> Code identifying the commodity coding system used for Commodity Code J Harmonized System-Based Schedule B	<b>O ID 1/1</b>

**Segment:** **L4** Measurement  
**Position:** 060  
**Loop:** LX Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To describe physical dimensions and quantities  
**Syntax Notes:**  
**Comments:**  
**Notes:**

Sample:  
 L4\*3\*3\*3\*X\*2~

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
L401	82	<b>Length</b> Largest horizontal dimension of an object measured when the object is in the upright position	M R 1/8
L402	189	<b>Width</b> Shorter measurement of the two horizontal dimensions measured with the object in the upright position	M R 1/8
L403	65	<b>Height</b> Vertical dimension of an object measured when the object is in the upright position	M R 1/8
L404	90	<b>Measurement Unit Qualifier</b> Code specifying the linear dimensional unit E Feet X Meters	M ID 1/1
L405	380	<b>Quantity</b> Numeric value of quantity	O R 1/15

**Segment:** **H1 Hazardous Material**  
**Position:** 070  
**Loop:** H1 Conditional  
**Level:** Detail  
**Usage:** Conditional  
**Max Use:** 1  
**Purpose:** To specify information relative to hazardous material  
**Syntax Notes:** 1 If either H107 or H108 is present, then the other is required.  
**Comments:** 1 H107 is the lowest temperature for hazardous materials.  
**Notes:** Sample:  
 H1\*3082\*9\*\*Lubricant Additive Composition\*4249300 CHEMTREC\*\*110\*CE\*III~

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>H101</b>	<b>62</b>	<b>Hazardous Material Code</b> Code relating to hazardous material code qualifier for regulated hazardous materials	<b>M AN 4/10</b>
<b>H102</b>	<b>209</b>	<b>Hazardous Material Class Code</b> Code specifying the kind of hazard for a material	<b>M AN 1/4</b>
<b>H103</b>	<b>208</b>	<b>Hazardous Material Code Qualifier</b> Code which qualifies the Hazardous Material Class Code (209) I Intergovernmental Maritime Organization (IMO) Code	<b>O ID 1/1</b>
<b>H104</b>	<b>64</b>	<b>Hazardous Material Description</b> Material name, special instructions, and phone number if any CS Note: Proper dangerous goods shipping name. CargoSmart recommends customer to provide.	<b>O AN 2/30</b>
<b>H105</b>	<b>63</b>	<b>Hazardous Material Contact</b> Phone number and name of person or department to contact in case of emergency	<b>O AN 1/24</b>
<b>H106</b>	<b>200</b>	<b>Hazardous Materials Page</b> The United Nations page number as required for the international transport of hazardous materials	<b>O AN 1/6</b>
<b>H107</b>	<b>77</b>	<b>Flashpoint Temperature</b> The flashpoint temperature for hazardous material	<b>C N 1/3</b>
<b>H108</b>	<b>355</b>	<b>Unit or Basis for Measurement Code</b> 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	<b>C ID 2/2</b>
<b>H109</b>	<b>254</b>	<b>Packing Group Code</b> Code indicating degree of danger in terms of Roman number I, II or III I Great danger II Medium danger III Minor danger	<b>O ID 1/3</b>



**Segment:** **H2 Additional Hazardous Material Description**  
**Position:** 080  
**Loop:** H1 Conditional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify free-form hazardous material descriptive data in addition to the information provided in the H1 segment

**Syntax Notes:**

**Comments:**

**Notes:**

CS Note:  
 H2\_02 will be handled as supplement information for related hazard material if below qualifier is provided in H2\_01  
 GW: Gross Weight (in Kilogram)  
 HCI: Hazardous Material Contact Number for Inbound  
 NW: Net Weight (in Kilogram)  
 PSN: Proper Shipping Name  
 TN: Technical Name  
  
 Sample:  
 H2\*HCI\*1-408-325-7600~  
 H2\*NW\*25000~

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element</b>		
H201	64	<b>Hazardous Material Description</b> Material name, special instructions, and phone number if any	<b>M AN 2/30</b>
H202	274	<b>Hazardous Material Classification</b> Free-form description of hazardous material classification or division or label requirements	<b>O AN 1/512</b>

**Segment:** **V1** Vessel Identification  
**Position:** 090  
**Loop:**  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To provide vessel details and voyage number  
**Syntax Notes:** 1 If V108 is present, then V101 is required.  
 2 At least one of V101 or V102 is required.  
**Comments:**  
**Notes:**

**Sample:**  
 V1\*549876\*COSU NINGBO\*\*29W22\*COSU\*\*\*L~

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
V101	597	<b>Vessel Code</b> Code identifying vessel	C ID 1/20
V102	182	<b>Vessel Name</b> Name of ship as documented in "Lloyd's Register of Ships"	C AN 2/35
V104	55	<b>Flight/Voyage Number</b> Identifying designator for the particular flight or voyage on which the cargo travels	O AN 2/10
V105	140	<b>Standard Carrier Alpha Code</b> Standard Carrier Alpha Code	O ID 2/4
V108	897	<b>Vessel Code Qualifier</b> Code specifying vessel code source	O ID 1/1
		C Ship's Radio Call Signal	
		L Lloyd's Register of Shipping	

**Segment:** **K1** Remarks  
**Position:** 110  
**Loop:**  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 9  
**Purpose:** To transmit information in a free-form format for comment or special instruction  
**Syntax Notes:**  
**Comments:**  
**Notes:**

CS Note:  
 Remarks information will be truncated if exceeds maximum length supported by carrier  
  
 Sample:  
 K1\*ORIGINAL BILL~

**Data Element Summary**

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

**Segment:** **SE** Transaction Set Trailer  
**Position:** 010  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

**Syntax Notes:**  
**Comments:** 1 SE is the last segment of each transaction set.

**Notes:** Sample:  
 SE\*52\*163232144~

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
SE01	96	Number of Included Segments	M N0 1/10
		Total number of segments included in a transaction set including ST and SE segments	
SE02	329	Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

**Segment:** **GE** Functional Group Trailer  
**Position:** 030  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of a functional group and to provide control information  
**Syntax Notes:**  
**Comments:** 1 The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.  
**Notes:** Sample:  
 GE\*1\*17132~

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
GE01	97	<b>Number of Transaction Sets Included</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	<b>M N0 1/6</b>
GE02	28	<b>Group Control Number</b> Assigned number originated and maintained by the sender	<b>M N0 1/9</b>

**Segment:** **IEA** Interchange Control Trailer  
**Position:** 040  
**Loop:**  
**Level:**  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To define the end of an interchange of zero or more functional groups and interchange-related control segments

**Syntax Notes:**

**Comments:**

**Notes:**

Sample:  
 IEA\*1\*000028909~

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element</b>		
<b>IEA01</b>	<b>I16</b>	<b>Number of Included Functional Groups</b>	<b>M N0 1/5</b>
		A count of the number of functional groups included in an interchange	
<b>IEA02</b>	<b>I12</b>	<b>Interchange Control Number</b>	<b>M N0 9/9</b>
		A control number assigned by the interchange sender	