

# TMC

A DIVISION OF  
C.H. ROBINSON

## **301 Confirmation (Ocean/Air)**

X12/V4010/301 : 301 Confirmation (Ocean/Air)

**Version: 1.6**

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<b>Notes:</b>	<b>v1.6 Changes: Added additional notes &amp; removed unnecessary items.</b>

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# 301 Confirmation (Ocean)

## Functional Group=RO

**Purpose:** This Draft Standard for Trial Use contains the format and establishes the data contents of the Confirmation (Ocean) Transaction Set (301) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide all the information necessary for an ocean carrier to confirm space, container, and equipment availability in response to the Reservation (Booking Request) (Ocean) Transaction Set (300); or to notify other parties such as terminal operators or other ocean carriers.

### Notes:

- 1/054 When possible, all N9 reference numbers sent on the 304 should be returned on the 301. At minimum, the below reference numbers noted as 'Required', must be included on the 301.
- 1/060 The 304 contains all recommended locations (N1 loops). The 301 should include all recommended locations (unless changed) and any additional locations related to booking (ie. - "DA" & "PW" addresses).
- 1/110 The 304 contains all recommended route stops (R4 loops). The 301 should include all recommended route stops (unless changed) and any additional route stops related to booking (ie. - "T" (Transshipment Port)).

### Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</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>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	B1	Beginning Segment for Booking or Pick-up/Delivery	M	1			Must use
040	Y3	Space Confirmation	M	1			Must use
<b>LOOP ID - Y4</b>					<b>10</b>		
050	Y4	Container Release	M	1			Must use
054	N9	Reference Identification	M	200		N1/054	Must use
<b>LOOP ID - N1</b>					<b>20</b>		
060	N1	Name	M	1		N1/060	Must use
070	N2	Additional Name Information	O	1			Used
080	N3	Address Information	M	2			Must use
090	N4	Geographic Location	M	1			Must use
<b>LOOP ID - R4</b>					<b>20</b>		
110	R4	Port or Terminal	M	1		N1/110	Must use
120	DTM	Date/Time Reference	M	15			Must use

### Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<b>LOOP ID - LX</b>					<b>999</b>		
010	LX	Assigned Number	M	1			Must use
020	N7	Equipment Details	O	1			Used
050	L5	Description, Marks and Numbers	O	1			Used

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
080	V1	Vessel Identification	M	2			Must use

**Summary:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	SE	Transaction Set Trailer	M	1			Must use

**Not Defined:**

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

# ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

**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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	<b>Authorization Information Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Code to identify the type of information in the Authorization Information						
<b>Code List Summary</b> (Total Codes: 7, Included: 1)						
<b>Code Name</b>						
00 No Authorization Information Present (No Meaningful Information in I02)						
ISA02	I02	<b>Authorization Information</b>	M	AN	10/10	Must use
<b>Description:</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)						
ISA03	I03	<b>Security Information Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Code to identify the type of information in the Security Information						
<b>Code List Summary</b> (Total Codes: 2, Included: 1)						
<b>Code Name</b>						
00 No Security Information Present (No Meaningful Information in I04)						
ISA04	I04	<b>Security Information</b>	M	AN	10/10	Must use
<b>Description:</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)						
ISA05	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified						
<b>All valid standard codes are used. (Total Codes: 38)</b>						
ISA06	I06	<b>Interchange Sender ID</b>	M	AN	15/15	Must use
<b>Description:</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						
ISA07	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified						
<b>Code List Summary</b> (Total Codes: 38, Included: 1)						
<b>Code Name</b>						
ZZ Mutually Defined						
ISA08	I07	<b>Interchange Receiver ID</b>	M	AN	15/15	Must use

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<p><b>Description:</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</p> <p><b>User Note 1:</b></p> <p><i>PROD: RBTWTMC</i></p> <p><i>TEST: RBTWTMCTEST</i></p>				
ISA09	I08	<b>Interchange Date</b>	M	DT	6/6	Must use
		<b>Description:</b> Date of the interchange				
ISA10	I09	<b>Interchange Time</b>	M	TM	4/4	Must use
		<b>Description:</b> Time of the interchange				
ISA11	I10	<b>Interchange Control Standards Identifier</b>	M	ID	1/1	Must use
		<b>Description:</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>Code List Summary</b> (Total Codes: 1, Included: 1)				
		<b>Code Name</b>				
		U U.S. EDI Community of ASC X12, TDCC, and UCS				
ISA12	I11	<b>Interchange Control Version Number</b>	M	ID	5/5	Must use
		<b>Description:</b> Code specifying the version number of the interchange control segments				
		<b>Code List Summary</b> (Total Codes: 14, Included: 1)				
		<b>Code Name</b>				
		00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997				
ISA13	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use
		<b>Description:</b> A control number assigned by the interchange sender				
ISA14	I13	<b>Acknowledgment Requested</b>	M	ID	1/1	Must use
		<b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1)				
		<b>Code List Summary</b> (Total Codes: 2, Included: 1)				
		<b>Code Name</b>				
		1 Interchange Acknowledgment Requested				
ISA15	I14	<b>Usage Indicator</b>	M	ID	1/1	Must use
		<b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information				
		<b>Code List Summary</b> (Total Codes: 3, Included: 2)				
		<b>Code Name</b>				
		P Production Data				
		T Test Data				
ISA16	I15	<b>Component Element Separator</b>	M		1/1	Must use
		<b>Description:</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				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
						elements within a composite data structure; this value must be different than the data element separator and the segment terminator

**User Note 1:** *Preferred character:* >

# GS Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

**User Option (Usage):** Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	<b>Functional Identifier Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying a group of application related transaction sets						
<b>Code List Summary</b> (Total Codes: 240, Included: 1)						
<b>Code Name</b>						
RO Ocean Booking Information (300, 301,303)						
GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	Must use
<b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners						
GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15	Must use
<b>Description:</b> Code identifying party receiving transmission; codes agreed to by trading partners						
<b>User Note 1:</b>						
<i>PROD: RBTWTMC</i>						
<i>TEST: RBTWTMCTEST</i>						
GS04	373	<b>Date</b>	M	DT	8/8	Must use
<b>Description:</b> Date expressed as CCYYMMDD						
GS05	337	<b>Time</b>	M	TM	4/8	Must use
<b>Description:</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)						
GS06	28	<b>Group Control Number</b>	M	N0	1/9	Must use
<b>Description:</b> Assigned number originated and maintained by the sender						
GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	Must use
<b>Description:</b> Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480						
<b>Code List Summary</b> (Total Codes: 2, Included: 1)						
<b>Code Name</b>						
X Accredited Standards Committee X12						
GS08	480	<b>Version / Release / Industry Identifier Code</b>	M	AN	1/12	Must use
<b>Description:</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						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed				
		<b>Code List Summary</b> (Total Codes: 39, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		004010	Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997			

### 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:

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.

# ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	<b>Transaction Set Identifier Code</b>	M	ID	3/3	Must use
<b>Description:</b> Code uniquely identifying a Transaction Set						
<b>All valid standard codes are used. (Total Codes: 298)</b>						
ST02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set						

## Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

# B1 Beginning Segment for Booking or Pick-up/Delivery

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 3

**User Option (Usage):** Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
B101	140	<b>Standard Carrier Alpha Code</b>	O	ID	2/4	Must use
<b>Description:</b> Standard Carrier Alpha Code						
<b>User Note 1:</b> SCAC of carrier sending EDI transmission						
B102	145	<b>Shipment Identification Number</b>	M	AN	1/30	Must use
<b>Description:</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>User Note 1:</b> Should contain TMC Load ID from 304 (N9*AG)						
B103	373	<b>Date</b>	O	DT	8/8	Used
<b>Description:</b> Date expressed as CCYYMMDD						
<b>User Note 1:</b> Date booking was accepted by carrier						

## Semantics:

1. B101 is the Standard Carrier Alpha Code (SCAC) of the carrier sending the EDI transmission.
2. B103 is the booking date accepted by the carrier.

# Y3 Space Confirmation

Pos: 040	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 7

**User Option (Usage):** Must use

**Purpose:** To specify confirmation information for space booking including numbers, dates, and load time

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
Y301	13	<b>Booking Number</b>	M	AN	1/17	Must use
<b>Description:</b> Number assigned by the carrier for space reservation						
Y303	373	<b>Date</b>	M	DT	8/8	Must use
<b>Description:</b> Date expressed as CCYYMMDD - Vessel departure date						
<b>User Note 1:</b> Vessel departure date from port of loading						
<b>User Note 2:</b> When V109 = "A", refers to plane departure date						
<b>User Note 3:</b> If actual date is unknown, provide estimated date						
Y304	373	<b>Date</b>	M	DT	8/8	Must use
<b>Description:</b> Date expressed as CCYYMMDD						
<b>User Note 1:</b> Vessel arrival date at port of discharge						
<b>User Note 2:</b> When V109 = "A", refers to ETA at destination airport						
<b>User Note 3:</b> If actual date is unknown, provide estimated date						
Y307	373	<b>Date</b>	M	DT	8/8	Must use
<b>Description:</b> Date expressed as CCYYMMDD						
<b>User Note 1:</b> Cutoff date at port of loading						
<b>User Note 2:</b> When V109 = "A", field is not required. Refers to delivery date to origin airport						
<b>User Note 3:</b> If actual date is unknown, provide estimated date						
Y308	337	<b>Time</b>	X	TM	4/8	Used
<b>Description:</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>User Note 1:</b> Time associated to cutoff date communicated in Y307						
Y309	91	<b>Transportation Method/Type Code</b>	O	ID	1/2	Used
<b>Description:</b> Code specifying the method or type of transportation for the shipment						
<b>User Note 1:</b> If sent, should match value sent in V109						
<b>Code List Summary</b> (Total Codes: 71, Included: 2)						
<b>Code Name</b>						
A Air						
VE Vessel, Ocean						
Y311	623	<b>Time Code</b>	O	ID	2/2	Used
<b>Description:</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow				

**Code List Summary** (Total Codes: 51, Included: 1)

**Code Name**

LT Local Time

# Y4 Container Release

Pos: 050	Max: 1
Heading - Mandatory	
Loop: Y4	Elements: 1

**User Option (Usage):** Must use

**Purpose:** To transmit information relative to containers available for release

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
Y410	56	Type of Service Code	M	ID	2/2	Must use

**Description:** Code specifying extent of transportation service requested

**Code List Summary** (Total Codes: 28, Included: 16)

### Code Name

BB	Origin CFS-to-Destination CFS
BD	Destination CFS-to-Destination Door
BP	Origin CFS-to-Destination Port
DB	Origin Door-to-Origin CFS
DD	Door-to-Door
DO	Origin Door-to-Destination CFS
DP	Door-to-Port

#### **User Note 1:**

*When V109 = "A", refers to destination airport*

DR	Door-to-Rail
OD	Origin CFS-to-Destination Door
PB	Origin Port-to-Destination CFS
PD	Port-to-Door

#### **User Note 1:**

*When V109 = "A", refers to origin airport*

PP	Port-to-Port
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#### **User Note 1:**

*When V109 = "A", refers to origin airport and destination airport*

PR	Port-to-Rail
----	--------------

#### **User Note 1:**

*When V109 = "A", refers to origin airport*

RD	Rail-to-Door
----	--------------

RP	Rail-to-Port
----	--------------

#### **User Note 1:**

*When V109 = "A", refers to destination airport*

RR	Rail-to-Rail
----	--------------

## Syntax Rules:

1. P0809 - If either Y408 or Y409 is present, then the other is required.

# N9 Reference Identification

Pos: 054	Max: 200
Heading - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**User Note 1:** *When possible, all N9 reference numbers sent on the 304 should be returned on the 301. At minimum, any reference numbers noted as 'Required', must be included on the 301.*

**Code List Summary** (Total Codes: 1503, Included: 9)

### Code Name

AG Agent's Shipment Number

**User Note 1:**

*TMC Load #*

*If present on the 304 (as N902 (N901 = "AG")), this should be returned on 301*

AW Air Waybill Number

**User Note 1:**

*Required when V109 = "A" (air shipment)*

BM Bill of Lading Number

**User Note 1:**

*Required - House Bill of Lading (HBL)*

BN Booking Number

**User Note 1:**

*Conditional - Steamship Line Booking Number*

CN Carrier's Reference Number (PRO/Invoice)

**User Note 1:**

*Required - Forwarder Tracking Number*

CR Customer Reference Number

**User Note 1:**

*Required - Should contain N902 (N901 = "CR") from 304*

FN Forwarder's/Agent's Reference Number

**User Note 1:**

*Value sent will be returned in the same segment/qualifier on 304 updates*

IL Internal Order Number

**User Note 1:**

*Required - Should contain all instances of N902 (N901 = "IL") from 304*

MB Master Bill of Lading

**User Note 1:**

*Required - Master Bill of Lading (MBOL)*

N902	127	Reference Identification	M	AN	1/80	Must use
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**Description:** Reference information as defined for a particular Transaction Set or as

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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specified by the Reference Identification Qualifier

**Syntax Rules:**

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

# N1 Name

Pos: 060	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

**User Option (Usage):** Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use

**Description:** Code identifying an organizational entity, a physical location, property or an individual

**Code List Summary** (Total Codes: 1312, Included: 3)

### Code Name

DA Delivery Address

#### **User Note 1:**

*Conditional*

#### **User Note 2:**

*Required if shipment begins at ramp or port (where Y410 starts with "R" or "P")*

#### **User Note 3:**

*Port/terminal address to which containers should be delivered*

SF Ship From

#### **User Note 1:**

*Required*

#### **User Note 2:**

*Should contain N1\*SF address from 304*

ST Ship To

#### **User Note 1:**

*Required*

#### **User Note 2:**

*Should contain N1\*ST from 304*

N102	93	Name	M	AN	1/60	Must use
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**Description:** Free-form name

N103	66	Identification Code Qualifier	M	ID	1/2	Must use
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**Description:** Code designating the system/method of code structure used for Identification Code (67)

**Code List Summary** (Total Codes: 215, Included: 1)

### Code Name

93 Code assigned by the organization originating the transaction set

N104	67	Identification Code	M	AN	2/80	Must use
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**Description:** Code identifying a party or other code

## Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - 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.

## N2 Additional Name Information

Pos: 070	Max: 1
Heading - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify additional names or those longer than 35 characters in length

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N201	93	<b>Name</b>	M	AN	1/60	Must use
		<b>Description:</b> Free-form name				
N202	93	<b>Name</b>	O	AN	1/60	Used
		<b>Description:</b> Free-form name				

# N3 Address Information

Pos: 080	Max: 2
Heading - Mandatory	
Loop: N1	Elements: 2

**User Option (Usage):** Must use

**Purpose:** To specify the location of the named party

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	<b>Address Information</b>	M	AN	1/55	Must use
		<b>Description:</b> Address information				
N302	166	<b>Address Information</b>	O	AN	1/55	Used
		<b>Description:</b> Address information				

# N4 Geographic Location

Pos: 090	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

**User Option (Usage):** Must use

**Purpose:** To specify the geographic place of the named party

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	<b>City Name</b>	M	AN	2/30	Must use
		<b>Description:</b> Free-form text for city name				
N402	156	<b>State or Province Code</b>	O	ID	1/2	Used
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				
N403	116	<b>Postal Code</b>	O	ID	1/15	Used
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country				

## Syntax Rules:

1. C0605 - 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.

# R4 Port or Terminal

Pos: 110	Max: 1
Heading - Mandatory	
Loop: R4	Elements: 4

**User Option (Usage):** Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
R401	115	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

**Code List Summary** (Total Codes: 30, Included: 5)

### Code Name

D Port of Discharge

**Description:** Port at which cargo is unloaded from vessel

**User Note 1:**

*Required*

**User Note 2:**

*When V109 = "A" this will be used to represent destination airport*

E Place of Delivery

**Description:** Place at which cargo leaves its care and custody of carrier

**User Note 1:**

*Required*

L Port of Loading

**Description:** Port at which cargo is loaded on vessel

**User Note 1:**

*Required*

**User Note 2:**

*When V109 = "A" this will be used to represent origin airport*

R Place of Receipt

**Description:** Place at which cargo enters the care and custody of carrier

**User Note 1:**

*Required*

T Transshipment Port

**Description:** Place at which cargo is transferred to another carrier

**User Note 1:**

*When V109 = "A" this will be used to represent intermediate airport*

R402	309	Location Qualifier	M	ID	1/2	Must use
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**Description:** Code identifying type of location

**Code List Summary** (Total Codes: 172, Included: 2)

### Code Name

IA International Air Transport Association (IATA) Location Qualifier

UN United Nations Location Code (UNLOCODE)

R403	310	Location Identifier	M	AN	1/30	Must use
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<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<b>Description:</b> Code which identifies a specific location				
		<b>User Note 1:</b> <i>When V109 = "A", an IATA code specific to an airport should be provided</i>				
R404	114	<b>Port Name</b>	O	AN	2/24	Used
		<b>Description:</b> Free-form name for the place at which an offshore carrier originates or terminates (by transshipment or otherwise) its actual ocean carriage of property				

### Syntax Rules:

1. P0203 - If either R402 or R403 is present, then the other is required.

### Comments:

1. R4 is required for each port to be identified.

# DTM Date/Time Reference

Pos: 120	Max: 15
Heading - Mandatory	
Loop: R4	Elements: 4

**User Option (Usage):** Must use

**Purpose:** To specify pertinent dates and times

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use

**Description:** Code specifying type of date or time, or both date and time

**Code List Summary** (Total Codes: 1112, Included: 4)

### Code Name

017 Estimated Delivery

#### **User Note 1:**

*Required - Estimated delivery date to the place of delivery.*

064 Do Not Deliver Before

#### **User Note 1:**

*Required when Y410 = RD, RP, RR*

597 Latest Delivery Date at Rail Ramp

#### **User Note 1:**

*Required when Y410 = RD, RP, RR*

LTP Latest Filing Period

#### **User Note 1:**

*Document cutoff date*

#### **User Note 2:**

*Can be associated with the R4(L) loop.*

DTM02	373	<b>Date</b>	M	DT	8/8	Must use
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**Description:** Date expressed as CCYYMMDD

DTM03	337	<b>Time</b>	X	TM	4/8	Used
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**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)

DTM04	623	<b>Time Code</b>	O	ID	2/2	Used
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**Description:** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

**Code List Summary** (Total Codes: 51, Included: 1)

### Code Name

LT Local Time

## Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.



# LX Assigned Number

Pos: 010	Max: 1
Detail - Mandatory	
Loop: LX	Elements: 1

**User Option (Usage):** Must use

**Purpose:** To reference a line number in a transaction set

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
LX01	554	Assigned Number	M	N0	1/6	Must use

**Description:** Number assigned for differentiation within a transaction set

# N7 Equipment Details

Pos: 020	Max: 1
Detail - Optional	
Loop: LX	Elements: 4

**User Option (Usage):** Used

**Purpose:** To identify the equipment

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N701	206	<b>Equipment Initial</b>	O	AN	1/4	Used
		<b>Description:</b> Prefix or alphabetic part of an equipment unit's identifying number				
		<b>User Note 1:</b> <i>If container number is unknown, N701, N702 &amp; N718 should be blank.</i>				
N702	207	<b>Equipment Number</b>	O	AN	1/10	Used
		<b>Description:</b> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)				
N718	761	<b>Equipment Number Check Digit</b>	O	N0	1/1	Used
		<b>Description:</b> Number which designates the check digit applied to a piece of equipment				
N722	24	<b>Equipment Type</b>	O	ID	4/4	Used

**Description:** Code identifying equipment type

**User Note 1:** *List of Container Types:*

*CN20 20 STANDARD CONTAINER*

*HV20 20' HIGH CUBE CONTAINER*

*CX20 20' ISO TANK CONTAINER*

*PW20 20' PALLET WIDE CONTAINER*

*CZ20 20' REEFER CONTAINER*

*CN24 24' STANDARD CONTAINER*

*HV24 24' HIGH CUBE CONTAINER*

*CN40 40' STANDARD CONTAINER*

*HV40 40' HIGH CUBE CONTAINER*

*PH40 40' HIGH CUBE PALLET WIDE CONTAINER*

*PW40 40' PALLET WIDE*

*CZ40 40' REEFER CONTAINER*

*CX40 40' ISO TANK CONTAINER*

*PH45 45' HIGH CUBE PALLET WIDE CONTAINER*

*CZ45 45' REEFER CONTAINER*

*LCL1 LCL / GROUPAGE*

## Syntax Rules:

1. P0304 - If either N703 or N704 is present, then the other is required.
2. P0516 - If either N705 or N716 is present, then the other is required.
3. P0809 - If either N708 or N709 is present, then the other is required.

## Comments:

1. N701 is mandatory for rail transactions.

# L5 Description, Marks and Numbers

Pos: 050	Max: 1
Detail - Optional	
Loop: LX	Elements: 2

**User Option (Usage):** Used

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L501	213	Lading Line Item Number	O	N0	1/3	Used

**Description:** Sequential line number for a lading item

L506	87	Marks and Numbers	X	AN	1/48	Used
------	----	-------------------	---	----	------	------

**Description:** Marks and numbers used to identify a shipment or parts of a shipment

**User Note 1:** *Conditional*

**User Note 2:** *Must contain LIN07 (LIN06 = "SK") from 304 if more than 1 container exists on shipment.*

## Syntax Rules:

1. P0304 - If either L503 or L504 is present, then the other is required.
2. C0706 - If L507 is present, then L506 is required.
3. P0809 - If either L508 or L509 is present, then the other is required.

## Comments:

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

### User Note 1:

*L5 segment is only required for Ocean if more than 1 container exists on the shipment.*

### User Note 2:

*L5 Segment is not required for Air shipments*

# V1 Vessel Identification

Pos: 080	Max: 2
Detail - Mandatory	
Loop: N/A	Elements: 5

**User Option (Usage):** Must use

**Purpose:** To provide vessel details and voyage number

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
V101	597	<b>Vessel Code</b>	O	ID	1/8	Used
<b>Description:</b> Code identifying vessel - IMO number						
<b>User Note 1:</b> Required when V109 = "VE"						
<b>User Note 2:</b> If IMO number is unknown, send as null.						
V102	182	<b>Vessel Name</b>	M	AN	2/28	Must use
<b>Description:</b> Name of ship as documented in "Lloyd's Register of Ships"						
<b>User Note 1:</b> When V109 = "A" this should contain airline name						
<b>User Note 2:</b> If Vessel / Airline Name is unknown, send as null.						
V104	55	<b>Flight/Voyage Number</b>	M	AN	2/10	Must use
<b>Description:</b> Identifying designator for the particular flight or voyage on which the cargo travels						
<b>User Note 1:</b> If Flight / Voyage number is unknown, send as null.						
V105	140	<b>Standard Carrier Alpha Code</b>	M	ID	2/4	Must use
<b>Description:</b> Standard Carrier Alpha Code						
<b>User Note 1:</b> SCAC of Steamship Line or Airline IATA Code.						
V109	91	<b>Transportation Method/Type Code</b>	M	ID	1/2	Must use
<b>Description:</b> Code specifying the method or type of transportation for the shipment						
<b>User Note 1:</b> Value sent in V109 on 304 should be mirrored						
<b>Code List Summary</b> (Total Codes: 71, Included: 2)						
<b>Code Name</b>						
A Air						
VE Vessel, Ocean						

## Syntax Rules:

1. R0102 - At least one of V101 or V102 is required.
2. C0801 - If V108 is present, then V101 is required.

## Semantics:

1. V103 is the code identifying the country in which the ship (vessel) is registered.
2. V105 identifies the ocean carrier.

# SE Transaction Set Trailer

Pos: 010	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b>	M	N0	1/10	Must use
		<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments				
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
		<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

## Comments:

1. SE is the last segment of each transaction set.

# GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GE01	97	<b>Number of Transaction Sets Included</b>	M	N0	1/6	Must use
		<b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element				
GE02	28	<b>Group Control Number</b>	M	N0	1/9	Must use
		<b>Description:</b> Assigned number originated and maintained by the sender				

## Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

## 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.

# IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

**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:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	<b>Number of Included Functional Groups</b>	M	N0	1/5	Must use
		<b>Description:</b> A count of the number of functional groups included in an interchange				
IEA02	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use
		<b>Description:</b> A control number assigned by the interchange sender				