

TMC

A DIVISION OF
C.H. ROBINSON

301 Confirmation (Ocean/Air)

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

Version: 1.4

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Notes

Changes:

3/10/2022:

- Field V108 added to spec as syntax is present.
- LX / N722 – Updated PH45 notes to include “Pallet Wide”
- Removed Syntax Rule: 1. C0908 - If Y309 is present, then Y308 is required.

Changes from V 1.2:

Header-level Y3 segment:

- Added user notes to Y3 dates

Header-level Y4 segment:

- Changed Y406 min to 1
- Added Y410 values: DB, DO, BB, OD, BD, BP, PB

Header-level N9 segment:

- Added N901 values 1O, TJ
- Increased max loops to 200

Header-level N4 segment:

- Decreased N402 min to 1
- Decreased N403 min to 1

Header-level R4 segment:

- Added R403 user notes
- Decreased R408 min to 1

Header-level DTM segment (R4 loop):

- Revised usage notes (where DTM01 = "LTP")
- Added usage of DTM02 & DTM03

Detail-level L009 segment:

- Listed specific L009 values

Detail-level L5 segment:

- Modified L506 user notes

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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
LOOP ID - Y4					10		
050	Y4	Container Release	M	1			Must use
054	N9	Reference Identification	M	200		N1/054	Must use
LOOP ID - N1					20		
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
100	G61	Contact	O	3			Used
LOOP ID - R4					20		
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>
LOOP ID - LX					999		
010	LX	Assigned Number	M	1			Must use
020	N7	Equipment Details	O	1			Used
021	W09	Equipment and	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>
		Temperature					
030	K1	Remarks	O	10			Used
040	L0	Line Item - Quantity and Weight	O	1			Used
050	L5	Description, Marks and Numbers	O	1			Used
055	L4	Measurement	O	1			Used
LOOP ID - H1					10		
060	H1	Hazardous Material	O	1			Used
070	H2	Additional Hazardous Material Description	O	10			Used
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	Authorization Information Qualifier	M	ID	2/2	Must use
Description: Code to identify the type of information in the Authorization Information						
Code List Summary (Total Codes: 7, Included: 1)						
Code Name						
00 No Authorization Information Present (No Meaningful Information in I02)						
ISA02	I02	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	I03	Security Information Qualifier	M	ID	2/2	Must use
Description: Code to identify the type of information in the Security Information						
Code List Summary (Total Codes: 2, Included: 1)						
Code Name						
00 No Security Information Present (No Meaningful Information in I04)						
ISA04	I04	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	I05	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. (Total Codes: 38)						
ISA06	I06	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	I05	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 (Total Codes: 38, Included: 1)						
Code Name						
ZZ Mutually Defined						
ISA08	I07	Interchange Receiver ID	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>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</p> <p>User Note 1:</p> <p><i>PROD: RBTWTMC</i></p> <p><i>TEST: RBTWTMCTEST</i></p>				
ISA09	I08	Interchange Date	M	DT	6/6	Must use
		Description: Date of the interchange				
ISA10	I09	Interchange Time	M	TM	4/4	Must use
		Description: Time of the interchange				
ISA11	I10	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				
		Code List Summary (Total Codes: 1, Included: 1)				
		Code Name				
		U U.S. EDI Community of ASC X12, TDCC, and UCS				
ISA12	I11	Interchange Control Version Number	M	ID	5/5	Must use
		Description: Code specifying the version number of the interchange control segments				
		Code List Summary (Total Codes: 14, Included: 1)				
		Code Name				
		00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997				
ISA13	I12	Interchange Control Number	M	N0	9/9	Must use
		Description: A control number assigned by the interchange sender				
ISA14	I13	Acknowledgment Requested	M	ID	1/1	Must use
		Description: Code sent by the sender to request an interchange acknowledgment (TA1)				
		Code List Summary (Total Codes: 2, Included: 1)				
		Code Name				
		1 Interchange Acknowledgment Requested				
ISA15	I14	Usage Indicator	M	ID	1/1	Must use
		Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information				
		Code List Summary (Total Codes: 3, Included: 2)				
		Code Name				
		P Production Data				
		T Test Data				
ISA16	I15	Component Element Separator	M		1/1	Must use
		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				

<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	Functional Identifier Code	M	ID	2/2	Must use

Description: Code identifying a group of application related transaction sets

Code List Summary (Total Codes: 240, Included: 1)

Code Name

RO Ocean Booking Information (300, 301,303)

GS02	142	Application Sender's Code	M	AN	2/15	Must use
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Description: Code identifying party sending transmission; codes agreed to by trading partners

GS03	124	Application Receiver's Code	M	AN	2/15	Must use
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Description: Code identifying party receiving transmission; codes agreed to by trading partners

User Note 1:

PROD: RBTWTMC

TEST: RBTWTMCTEST

GS04	373	Date	M	DT	8/8	Must use
------	-----	-------------	---	----	-----	----------

Description: Date expressed as CCYYMMDD

GS05	337	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	28	Group Control Number	M	N0	1/9	Must use
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Description: Assigned number originated and maintained by the sender

GS07	455	Responsible Agency Code	M	ID	1/2	Must use
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Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480

Code List Summary (Total Codes: 2, Included: 1)

Code Name

X Accredited Standards Committee X12

GS08	480	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

<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				
		Code List Summary (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	Transaction Set Identifier Code	M	ID	3/3	Must use
Description: Code uniquely identifying a Transaction Set						
All valid standard codes are used. (Total Codes: 298)						
ST02	329	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						

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: 4

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	Standard Carrier Alpha Code	O	ID	2/4	Used
Description: Standard Carrier Alpha Code						
User Note 1: SCAC of Booking Agent						
B102	145	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; (Does not contain blanks or special characters)						
User Note 1: Should contain Ship ID from 304 (B204)						
B103	373	Date	O	DT	8/8	Used
Description: Date expressed as CCYYMMDD						
B104	558	Reservation Action Code	O	ID	1/1	Used
Description: Code identifying action on reservation or offering						
Code List Summary (Total Codes: 7, Included: 2)						
Code Name						
A Reservation Accepted						
C Counter Proposal Made						

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: 10

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	Booking Number	M	AN	1/17	Must use
		Description: Number assigned by the carrier for space reservation				
Y302	140	Standard Carrier Alpha Code	O	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
Y303	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD - Vessel departure date				
		User Note 1: <i>Vessel departure date</i>				
		User Note 2: <i>When V109 = "A", refers to plane departure date</i>				
		User Note 3: <i>If actual date is unknown, provide estimated date</i>				
Y304	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
		User Note 1: <i>ETA at port of discharge</i>				
		User Note 2: <i>When V109 = "A", refers to ETA at destination airport</i>				
Y305	154	Standard Point Location Code	O	ID	6/9	Used
		Description: Code (Standard Point Location) defined by NMFTA point development group as the official code assigned to a city or point (for ratemaking purposes) within a city				
		User Note 1: <i>Refers to port of discharge</i>				
		User Note 2: <i>When V109 = "A", refers to destination airport</i>				
Y306	112	Pier Name	O	AN	2/14	Used
		Description: Free-form name of the pier				
		User Note 1: <i>Refers to port of discharge</i>				
Y307	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
		User Note 1: <i>Cutoff date at port of loading</i>				
		User Note 2: <i>When V109 = "A", refers to cutoff date at origin airport</i>				
		User Note 3: <i>If actual date is unknown, provide estimated date</i>				
Y308	337	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)				
Y309	91	Transportation Method/Type Code	O	ID	1/2	Used
		Description: Code specifying the method or type of transportation for the shipment				
		User Note 1: <i>If sent, should match value sent in V109</i>				

<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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Code List Summary (Total Codes: 71, Included: 2)

Code Name

A Air
VE Vessel, Ocean

Y311	623	Time Code	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

All valid standard codes are used. (Total Codes: 51)

Semantics:

1. Y303 is the date of departure of the vessel.
2. Y304 is the estimated arrival date at the port of discharge.
3. Y307 is the required pier date.
4. Y308 is the load time.
5. Y311 is the time zone which the time reflects.

Comments:

1. If space is available, all of the conditional data elements in segment Y3 are required. If the requested space is not available, Y301 is the booking number 'decline'.

Y4 Container Release

Pos: 050	Max: 1
Heading - Mandatory	
Loop: Y4	Elements: 4

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>
Y403	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
Y405	95	Number of Containers	O	N0	1/4	Used
		Description: Number of shipping containers				
Y406	24	Equipment Type	O	ID	1/4	Used
		Description: Code identifying equipment type				
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

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

<u>Code</u>	<u>Name</u>
RR	Rail-to-Rail

Syntax Rules:

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

Semantics:

1. Y401 is used for the first booking number and Y402 for the last booking number in a range of numbers. If only one booking number is used, Y402 is omitted.
2. Y403 is the date of container availability for pickup.
3. Y404 is the Standard Point Location Code (SPLC) of the container pick-up location.
4. Y407 identifies the carrier to whom containers will be released, if known.

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: 30)

Code Name

1O Consolidation Shipment Number
Description: *Qualifies a single number that is a key to a group of individual shipment numbers*

4L Location-specific Services Reference Number

4M Special Move Reference Number

4Y Subhouse Bill of Lading

6A Consignee Reference Number

A6 Employee Identification Number

AG Agent's Shipment Number

User Note 1:

Conditional

User Note 2:

CHR 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

BN Booking Number

CO Customer Order Number

CR Customer Reference Number

User Note 1:

Required

User Note 2:

Should contain N902 (N901 = "CR") from 304

DO Delivery Order Number

FN Forwarder's/Agent's Reference Number

Description: *Forwarder's primary Shipment ID*

IL Internal Order Number

User Note 1:

Required

<u>Code</u>	<u>Name</u>					
	User Note 2: <i>Should contain all instances of N902 (N901 = "IL") from 304</i>					
KY	Site Specific Procedures, Terms, and Conditions					
	User Note 1: <i>Required</i>					
	User Note 2: <i>Should contain M204 from 304</i>					
NB	Letter of Credit Number					
P8	Pickup Reference Number					
PE	Plant Number					
PH	Priority Rating					
PO	Purchase Order Number					
RF	Export Reference Number					
RU	Route Code					
SI	Shipper's Identifying Number for Shipment (SID) Description: <i>A unique number (to the shipper) assigned by the shipper to identify the shipment</i>					
SN	Seal Number					
SO	Shipper's Order (Invoice Number)					
TD	Reason for Change					
TJ	Federal Taxpayer's Identification Number					
ZZ	Mutually Defined					
SCA	Standard Carrier Alpha Code (SCAC)					
N902	127	Reference Identification	M	AN	1/80	Must use
		Description: Reference information as defined for a particular Transaction Set or as 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.

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

User Note 1:

When possible, all N9 reference numbers sent on the 304 should be returned on the 301. At minimum, the above reference numbers noted as 'Required', must be included on the 301.

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: 14)

Code Name

16 Plant

BT Bill-to-Party

CN Consignee

User Note 1:

Party which 1st takes delivery of freight

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

EX Exporter

LL Location of Load Exchange (Export)

N1 Notify Party no. 1

N2 Notify Party no. 2

PW Pick Up Address

User Note 1:

Location where empty containers are picked-up by in-land dray carrier

SD Sold To and Ship To

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*

SU Supplier/Manufacturer

UC Ultimate Consignee

User Note 1:

		<u>Code</u>	<u>Name</u>			
		<i>Party which takes final delivery of freight</i>				
N102	93	Name	M	AN	1/60	Must use
Description: Free-form name						
N103	66	Identification Code Qualifier	M	ID	1/2	Must use
Description: Code designating the system/method of code structure used for Identification Code (67)						
Code List Summary (Total Codes: 215, Included: 1)						
		<u>Code</u>	<u>Name</u>			
		93	Code assigned by the organization originating the transaction set			
N104	67	Identification Code	M	AN	2/80	Must use
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.
2. N105 and N106 further define the type of entity in N101.

User Note 1:

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).

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	Name	M	AN	1/60	Must use
		Description: Free-form name				
N202	93	Name	O	AN	1/60	Used
		Description: 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	Address Information	M	AN	1/55	Must use
		Description: Address information				
N302	166	Address Information	O	AN	1/55	Used
		Description: 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	City Name	M	AN	2/30	Must use
		Description: Free-form text for city name				
N402	156	State or Province Code	O	ID	1/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	Postal Code	O	ID	1/15	Used
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	Country Code	O	ID	2/3	Used
		Description: 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.

G61 Contact

Pos: 100	Max: 3
Heading - Optional	
Loop: N1	Elements: 5

User Option (Usage): Used

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

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>
G6101	366	Contact Function Code	M	ID	2/2	Must use

Description: Code identifying the major duty or responsibility of the person or group named

Code List Summary (Total Codes: 230, Included: 1)

Code Name

IC Information Contact

G6102	93	Name	M	AN	1/60	Must use
-------	----	-------------	---	----	------	----------

Description: Free-form name

G6103	365	Communication Number Qualifier	X	ID	2/2	Used
-------	-----	---------------------------------------	---	----	-----	------

Description: Code identifying the type of communication number

Code List Summary (Total Codes: 40, Included: 3)

Code Name

EM Electronic Mail

FX Facsimile

TE Telephone

G6104	364	Communication Number	X	AN	1/80	Used
-------	-----	-----------------------------	---	----	------	------

Description: Complete communications number including country or area code when applicable

G6105	443	Contact Inquiry Reference	O	AN	1/20	Used
-------	-----	----------------------------------	---	----	------	------

Description: Additional reference number or description to clarify a contact number

Syntax Rules:

1. P0304 - If either G6103 or G6104 is present, then the other is required.

Comments:

1. G6103 qualifies G6104.

R4 Port or Terminal

Pos: 110	Max: 1
Heading - Mandatory	
Loop: R4	Elements: 8

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
------	-----	--------------------	---	----	-----	----------

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
------	-----	---------------------	---	----	------	----------

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Code which identifies a specific location				
		User Note 1: <i>When V109 = "A", an IATA code specific to an airport should be provided</i>				
R404	114	Port Name	O	AN	2/24	Used
		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				
R405	26	Country Code	O	ID	2/3	Used
		Description: Code identifying the country				
R406	174	Terminal Name	O	AN	2/30	Used
		Description: Free-form field for terminal name				
R407	113	Pier Number	O	AN	1/4	Used
		Description: Identifying number for the pier				
R408	156	State or Province Code	O	ID	1/2	Used
		Description: Code (Standard State/Province) as defined by appropriate government agency				

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.

User Note 1:

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))

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: 5)

Code Name

002 Delivery Requested

Description: *Indicates when shipment is required at place of receipt.*

278 Revised Estimated Delivery Date

Description: *The date the last item will be delivered to the customer*

369 Estimated Departure Date

User Note 1:

Required

371 Estimated Arrival Date

User Note 1:

Required

LTP Latest Filing Period

User Note 1:

AES filing date

DTM02	373	Date	M	DT	8/8	Must use
-------	-----	------	---	----	-----	----------

Description: Date expressed as CCYYMMDD

DTM03	337	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)

DTM04	623	Time Code	O	ID	2/2	Used
-------	-----	-----------	---	----	-----	------

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.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

User Note 1:

DTM segment (DTM01 = "369") should be included in the R4 loop corresponding to "port of loading" (R401 = "L")
DTM segment (DTM01 = "LTP") should be included in the R4 loop corresponding to "port of loading" (R401 = "L")
DTM segment (DTM01 = "371") should be included in the R4 loop corresponding to "port of discharge" (R401 = "D")

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: 11

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	Equipment Initial	O	AN	1/4	Used
		Description: Prefix or alphabetic part of an equipment unit's identifying number				
N702	207	Equipment Number	O	AN	1/10	Used
		Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)				
N703	81	Weight	X	R	1/10	Used
		Description: Numeric value of weight				
N704	187	Weight Qualifier	X	ID	1/2	Used
		Description: Code defining the type of weight				
		Code List Summary (Total Codes: 51, Included: 2)				
		<u>Code</u>	<u>Name</u>			
		G	Gross Weight			
		N	Actual Net Weight			
N708	183	Volume	X	R	1/8	Used
		Description: Value of volumetric measure				
N709	184	Volume Unit Qualifier	X	ID	1/1	Used
		Description: Code identifying the volume unit				
		Code List Summary (Total Codes: 16, Included: 2)				
		<u>Code</u>	<u>Name</u>			
		E	Cubic Feet			
		X	Cubic Meters			
N711	40	Equipment Description Code	O	ID	2/2	Used
		Description: Code identifying type of equipment used for shipment				
		All valid standard codes are used. (Total Codes: 134)				
N715	567	Equipment Length	O	N0	4/5	Used
		Description: Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)				
N717	188	Weight Unit Code	O	ID	1/1	Used
		Description: Code specifying the weight unit				
		Code List Summary (Total Codes: 8, Included: 2)				

		Code	Name				
		K	Kilograms				
		L	Pounds				
N718	761	Equipment Number Check Digit		O	N0	1/1	Used
		Description: Number which designates the check digit applied to a piece of equipment					
N722	24	Equipment Type		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.

Semantics:

1. N712 is the owner of the equipment.
2. N723 is the operator or carrier of the rights of the equipment.

Comments:

1. N701 is mandatory for rail transactions.
2. N720 and N721 are expressed in inches.

W09 Equipment and Temperature

Pos: 021	Max: 1
Detail - Optional	
Loop: LX	Elements: 6

User Option (Usage): Used

Purpose: To relate equipment type and required temperatures

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>
W0901	40	Equipment Description Code	M	ID	2/2	Must use
		Description: Code identifying type of equipment used for shipment All valid standard codes are used. (Total Codes: 134)				
W0902	408	Temperature	X	R	1/4	Used
		Description: Temperature				
W0903	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken All valid standard codes are used. (Total Codes: 794)				
W0904	408	Temperature	X	R	1/4	Used
		Description: Temperature				
W0905	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Code List Summary (Total Codes: 794, Included: 2)				
		Code Name				
		CE Centigrade, Celsius				
		FA Fahrenheit				
W0906	3	Free Form Message	O	AN	1/60	Used
		Description: Free-form text				

Syntax Rules:

1. P0203 - If either W0902 or W0903 is present, then the other is required.
2. P0405 - If either W0904 or W0905 is present, then the other is required.

Semantics:

1. W0902 is the minimum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0903).
2. W0904 is the maximum allowable temperature condition for shipment; (the qualifying temperature scale is specified in W0905).
3. W0906 is used to describe the environment required within an ocean-type, refrigerated container when other than normal air is required.
4. W0908 is the humidity percentage.
5. W0909 is the number of air exchanges per hour.

K1 Remarks

Pos: 030	Max: 10
Detail - Optional	
Loop: LX	Elements: 2

User Option (Usage): Used

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

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>
K101	61	Free-Form Message	M	AN	1/30	Must use
		Description: Free-form information				
K102	61	Free-Form Message	O	AN	1/30	Used
		Description: Free-form information				

L0 Line Item - Quantity and Weight

Pos: 040	Max: 1
Detail - Optional	
Loop: LX	Elements: 11

User Option (Usage): Used

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

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>
L001	213	Lading Line Item Number	O	N0	1/3	Used
		Description: Sequential line number for a lading item				
L004	81	Weight	X	R	1/10	Used
		Description: Numeric value of weight				
L005	187	Weight Qualifier	X	ID	1/2	Used
		Description: Code defining the type of weight				
		Code List Summary (Total Codes: 51, Included: 2)				
		<u>Code</u>	<u>Name</u>			
		G	Gross Weight			
		N	Actual Net Weight			
L006	183	Volume	X	R	1/8	Used
		Description: Value of volumetric measure				
L007	184	Volume Unit Qualifier	X	ID	1/1	Used
		Description: Code identifying the volume unit				
		Code List Summary (Total Codes: 16, Included: 2)				
		<u>Code</u>	<u>Name</u>			
		E	Cubic Feet			
		X	Cubic Meters			
L008	80	Lading Quantity	X	N0	1/7	Used
		Description: Number of units (pieces) of the lading commodity				
L009	211	Packaging Form Code	X	ID	3/3	Used
		Description: Code for packaging form of the lading quantity				
		Code List Summary (Total Codes: 134, Included: 33)				
		<u>Code</u>	<u>Name</u>			
		BAG	Bag			
		BAL	Bale			
		BDL	Bundle			
		BIN	Bin			
		BLK	Bulk			
		BOT	Bottle			
		Description: A container having a round neck of relatively smaller diameter than the body with an opening that can be fitted with lid; it does not have a handle				

Code Name

BOX Box
 BXT Bucket
 CAS Case
 CRT Crate
 CTN Carton
 CYL Cylinder
 DRM Drum

Description: A large container with a cylindrical shape; top may have removable or sealed top sides may be fiberboard or metal

JAR Jar
 JUG Jug

Description: A bottle (usually 1/2 gallon or larger) fitted with a handle

KIT Kit
 LBK Liquid Bulk
 LSE Loose
 PAL Pail
 PCS Pieces
 PKG Package
 PLT Pallet
 RCK Rack
 REL Reel
 ROL Roll
 SHT Sheet
 SKD Skid
 SKE Skid, elevating or lift truck
 SLP Slip Sheet

Description: Shipping containers utilizing slip sheets, which are cardboard platforms used to hold product for storage or transportation

TBN Tote Bin
 TLD Intermodal Trailer/Container Load (Rail)
 TRY Tray
 TUB Tub

L011 188 **Weight Unit Code** O ID 1/1 Used

Description: Code specifying the weight unit

Code List Summary (Total Codes: 8, Included: 2)

Code Name

K Kilograms
 L Pounds

L013 380 **Quantity** X R 1/15 Used

Description: Numeric value of quantity

L014 211 **Packaging Form Code** O ID 3/3 Used

Description: Code for packaging form of the lading quantity

User Note 1: See L009 for complete list

All valid standard codes are used. (Total Codes: 134)

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
L015	1073	Yes/No Condition or Response Code	X	ID	1/1	Used

Description: Code indicating a Yes or No condition or response

All valid standard codes are used. (Total Codes: 4)

Syntax Rules:

1. P0203 - If either L002 or L003 is present, then the other is required.
2. P0405 - If either L004 or L005 is present, then the other is required.
3. P0607 - If either L006 or L007 is present, then the other is required.
4. P0809 - If either L008 or L009 is present, then the other is required.
5. C1104 - If L011 is present, then L004 is required.
6. P1315 - If either L013 or L015 is present, then the other is required.

Semantics:

1. L008 is the number of handling units of the line item tendered to the carrier.
2. L013 can only be used if the code in L009 is PLT, SKD, or SLP.
3. L015 designates whether the carrier will be required to verify the number of units contained on a pallet, slip sheet or skid. Code "Y" indicates that the carrier will be required to verify. Code "N" indicates that the carrier will not be required to verify.

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.

L5 Description, Marks and Numbers

Pos: 050	Max: 1
Detail - Optional	
Loop: LX	Elements: 9

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	NO	1/3	Used

Description: Sequential line number for a lading item

L502	79	Lading Description	O	AN	1/50	Used
------	----	--------------------	---	----	------	------

Description: Description of an item as required for rating and billing purposes

L503	22	Commodity Code	X	AN	1/30	Used
------	----	----------------	---	----	------	------

Description: Code describing a commodity or group of commodities

L504	23	Commodity Code Qualifier	X	ID	1/1	Used
------	----	--------------------------	---	----	-----	------

Description: Code identifying the commodity coding system used for Commodity Code

Code List Summary (Total Codes: 23, Included: 1)

Code Name

A Harmonized Tariff Schedule of the United States Annotated

Description: Classification of imported merchandise for rate of duty and statistical purposes

L505	103	Packaging Code	O	AN	3/5	Used
------	-----	----------------	---	----	-----	------

Description: Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required

All valid standard codes are used. (Total Codes: 203)

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.

L507	88	Marks and Numbers Qualifier	O	ID	1/2	Used
------	----	-----------------------------	---	----	-----	------

Description: Code specifying the application or source of Marks and Numbers (87)

Code List Summary (Total Codes: 20, Included: 1)

Code Name

SM Shipper Assigned

L508	23	Commodity Code Qualifier	X	ID	1/1	Used
------	----	--------------------------	---	----	-----	------

Description: Code identifying the commodity coding system used for Commodity Code

Code List Summary (Total Codes: 23, Included: 1)

Code Name

B U.S. Foreign Trade Schedule B, Statistical Classification of Domestic and Foreign

Code Name

Commodities Exported from the United States

L509	22	Commodity Code	X	AN	1/30	Used
------	----	-----------------------	---	----	------	------

Description: Code describing a commodity or group of commodities**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.

L4 Measurement

Pos: 055	Max: 1
Detail - Optional	
Loop: LX	Elements: 4

User Option (Usage): Used

Purpose: To describe physical dimensions and quantities

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>
L401	82	Length	M	R	1/8	Must use
		Description: Largest horizontal dimension of an object measured when the object is in the upright position				
L402	189	Width	M	R	1/8	Must use
		Description: Shorter measurement of the two horizontal dimensions measured with the object in the upright position				
L403	65	Height	M	R	1/8	Must use
		Description: Vertical dimension of an object measured when the object is in the upright position				
L404	90	Measurement Unit Qualifier	M	ID	1/1	Must use
		Description: Code specifying the linear dimensional unit				
		Code List Summary (Total Codes: 4, Included: 2)				
		<u>Code</u>	<u>Name</u>			
		E	Feet			
		X	Meters			

Semantics:

1. L406 is the Rounding in Pattern for dimensional shipments.

H1 Hazardous Material

Pos: 060	Max: 1
Detail - Optional	
Loop: H1	Elements: 7

User Option (Usage): Used

Purpose: To specify information relative to hazardous material

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>
H101	62	Hazardous Material Code	M	AN	4/10	Must use
		Description: Code relating to hazardous material code qualifier for regulated hazardous materials				
H102	209	Hazardous Material Class Code	O	AN	1/4	Used
		Description: Code specifying the kind of hazard for a material				
H103	208	Hazardous Material Code Qualifier	O	ID	1/1	Used
		Description: Code which qualifies the Hazardous Material Class Code (209)				
		Code List Summary (Total Codes: 13, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		U	United Nations			
H104	64	Hazardous Material Description	O	AN	2/30	Used
		Description: Material name, special instructions, and phone number if any				
H105	63	Hazardous Material Contact	O	AN	1/24	Used
		Description: Phone number and name of person or department to contact in case of emergency				
H106	200	Hazardous Materials Page	O	AN	1/6	Used
		Description: The United Nations page number as required for the international transport of hazardous materials				
H109	254	Packing Group Code	O	ID	1/3	Used
		Description: Code indicating degree of danger in terms of Roman number I, II or III				

Syntax Rules:

1. P0708 - If either H107 or H108 is present, then the other is required.

Comments:

1. This segment is required when the shipment contains hazardous material.
2. H107 is the lowest temperature for hazardous materials.

H2 Additional Hazardous Material Description

Pos: 070	Max: 10
Detail - Optional	
Loop: H1	Elements: 2

User Option (Usage): Used

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

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>
H201	64	Hazardous Material Description	M	AN	2/30	Must use
		Description: Material name, special instructions, and phone number if any				
H202	274	Hazardous Material Classification	O	AN	1/30	Used
		Description: Free-form description of hazardous material classification or division or label requirements				

V1 Vessel Identification

Pos: 080	Max: 2
Detail - Mandatory	
Loop: N/A	Elements: 6

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	Vessel Code	O	ID	1/8	Used
Description: Code identifying vessel - IMO number						
User Note 1: <i>Required when V109 = "VE"</i>						
V102	182	Vessel Name	M	AN	2/28	Must use
Description: Name of ship as documented in "Lloyd's Register of Ships"						
User Note 1: <i>When V109 = "A" this should contain airline name</i>						
V104	55	Flight/Voyage Number	M	AN	2/10	Must use
Description: Identifying designator for the particular flight or voyage on which the cargo travels						
V105	140	Standard Carrier Alpha Code	M	ID	2/4	Must use
Description: Standard Carrier Alpha Code						
V108	897	Vessel Code Qualifier	O	ID	1/1	Used
Description: Code specifying vessel code source						
Code List Summary (Total Codes: 4, Included: 3)						
Code Name						
B U.S. Bureau of Census						
C Ship's Radio Call Signal						
L Lloyd's Register of Shipping						
V109	91	Transportation Method/Type Code	M	ID	1/2	Must use
Description: Code specifying the method or type of transportation for the shipment						
User Note 1: <i>Value sent in V109 on 304 should be mirrored</i>						
Code List Summary (Total Codes: 71, Included: 2)						
Code Name						
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	Number of Included Segments	M	N0	1/10	Must use
		Description: Total number of segments included in a transaction set including ST and SE segments				
SE02	329	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				

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	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	28	Group Control Number	M	N0	1/9	Must use
		Description: 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	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	I12	Interchange Control Number	M	N0	9/9	Must use
		Description: A control number assigned by the interchange sender				

ISA*00* *00* *ZZ*FRTFORWARDER *ZZ*RBTWTMCTEST
*200414*0536*U*00401*000036465*1*T*>
GS*RO*FRTFORWARDER*RBTWTMCTEST*20200414*0536*8293*X*004010
ST*301*0001
B1*HLCU*1002ODDP**A
Y3*64366651*HLCU*20200701*20200710***20200620*1300*VE**LT
Y4***20200414**1*40CN***DP
N9*IL*6849612
N9*CR*C8386362
N9*KY*CIP
N9*CO*4500214963
N1*DA*UP GLOBAL 4*93*700720
N3*3000 CENTERPOINT WAY
N4*JOLIET*IL*60436*US
N1*ST*Oevel BlueSky TPM Warehouse*93*31844058
N3*Nijverheidsstraat 12
N4*Oevel**2260*BE
N1*UC*ULTCONName*93*9001
N3*123 Ultimate Consignee Street
N4*Denver*CO*80123*US
N1*SF*Wah Lee Flocking & PVC Packing*93*0007273614
N3*182 Gui Hua Village, Guanlan Town
N4*Shenzhen*44*518110*CN
R4*R*UN*CNSNZ*Wah Lee Flocking PVC Pa*CN
R4*L*UN*CNSZX
DTM*369*20200516
DTM*LTP*20200514
R4*D*UN*BEANR
DTM*371*20200610
R4*E*UN*BEANR*Port of Antwerp*BE
LX*1
N7*HLCU*114178*****0
L0*1***8384*G*96000*X*8000*PCS**K**5**W
L5*1**6603.20.3000*A**1-SKU123*SM*B*SCHB
LX*2
N7*HLCU*114178*****0
L0*2***8384*G*96000*X*8000*PCS**K**5**W
L5*2**6603.20.3000*A**2-SKU123*SM*B*SCHB
LX*3
N7*HLCU*114178*****0
L0*3***8384*G*96000*X*8000*PCS**K**5**W
L5*3**6603.20.3000*A**3-SKU123*SM*B*SCHB
V1*9262716*NYK ARGUS**104W*HLCU***VE
SE*41*0001
GE*1*8293
IEA*1*000036465

ISA*00* *00* *ZZ*FRTFORWARDER *ZZ*RBTWTMCTEST
*200414*0536*U*00401*000036465*1*T*>
GS*RO*FRTFORWARDER*RBTWTMCTEST*20200414*0536*8293*X*004010
ST*301*0001
B1*HLCU*1002ODDA**A

Y3*64366651*DHLC*20200701*20200710***20200620*1300*A**LT
Y4***20200414**1*40CN***DP
N9*IL*6851963
N9*CR*C8386362
N9*KY*CIP
N9*CO*4500214963
N9*AW*4589746
N1*ST*IJEN PAPER PRODUCTS CO., LTD*93*0005003739
N3*BAI YE ROAD
N4*DONGGUAN*44*523416*CN
N1*UC*ULTCONName*93*9001
N3*123 Ultimate Consignee Street
N4*Denver*CO*80123*US
N1*N1*NOTIFY1Name*93*1007
N3*123 Notify1 Street
N4*CHICAGO*IL*60603*US
N1*N2*NOTIFY2Name*93*1002
N3*123 Notify2 Street
N4*MIAMI*FL*33125*US
N1*SD*SOLDToName*93*1003
N3*123 Sold To Street
N4*MADISON*WI*53711*US
N1*EX*EXPORTName*93*1004
N3*123 Export Street
N4*Seattle*WA*98106*US
N1*SU*SUPPName*93*1009
N3*123 Supplier Street
N4*Whitefish*MT*59937*US
N1*16*PLANTLocName*93*8001
N3*123 Zachary Ln N*PLANT STREET
N4*Minneapolis*MN*55441*US
N1*SF*Ice Mountain Water*93*IMW001
N3*19275 8 Mile Rd
N4*Stanwood*MI*49346*US
R4*R*UN*USQTD*Ice Mountain Water*US
R4*L*IA*ORD*OHare International Airp*US
DTM*369*20200516
DTM*LTP*20200514
R4*D*IA*PVG*PVG - Shanghai China Int*CN
DTM*371*20200610
R4*E*IA*PVG*PVG - Shanghai China Int*CN
LX*1
L0*1***8384*G*96000*X*8000*PCS**K**5**W
L5*1**6603.20.3000*A**SKU123*SM*B*SCHB
LX*2
L0*2***8384*G*96000*X*8000*PCS**K**5**W
L5*2**6603.20.3000*A**SKU124*SM*B*SCHB
V1**DHL AIR**DH4559*DHLC***A
SE*51*0001
GE*1*8293
IEA*1*000036465