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301 Confirmation (Ocean/Air)

X12/V4010: 301 Confirmation (Ocean/Air)

Version: 1.7

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Table of Contents

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:

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

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
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
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:

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

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

Summary:

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

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA08	I07	**Interchange Receiver ID**	M	AN	15/15	Must use

Ref	Id	Element Name	Req	Type	Min/Max	Usage

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

User Note 1:

PROD: RBTWRMS

TEST: RBTWRMSTEST

| 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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS02	142	**Application Sender's Code**	M	AN	2/15	Must use

Description: Code identifying party sending transmission; codes agreed to by trading partners

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS03	124	**Application Receiver's Code**	M	AN	2/15	Must use

Description: Code identifying party receiving transmission; codes agreed to by trading partners

User Note 1:

PROD: RBTWRMS

TEST: RBTWRMSTEST

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS04	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS06	28	**Group Control Number**	M	N0	1/9	Must use

Description: Assigned number originated and maintained by the sender

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS07	455	**Responsible Agency Code**	M	ID	1/2	Must use

Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480

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

Code	Name
X	Accredited Standards Committee X12

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage

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)

Code	Name
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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: 3**

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B101	140	**Standard Carrier Alpha Code**	O	ID	2/4	Must use

Description: Standard Carrier Alpha Code

User Note 1: *SCAC of carrier sending EDI transmission*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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 CHR Load ID from 304 (N9*AG)*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B103	373	**Date**	O	DT	8/8	Used

Description: Date expressed as CCYYMMDD

User Note 1: *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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
Y301	13	**Booking Number**	M	AN	1/17	Must use

Description: Number assigned by the carrier for space reservation

Ref	Id	Element Name	Req	Type	Min/Max	Usage
Y303	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD - Vessel departure date

User Note 1: *Vessel departure date from port of loading*

User Note 2: *When V109 = "A", refers to plane departure date*

User Note 3: *If actual date is unknown, provide estimated date*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
Y304	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

User Note 1: *Vessel arrival date at port of discharge*

User Note 2: *When V109 = "A", refers to ETA at destination airport*

User Note 3: *If actual date is unknown, provide estimated date*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
Y307	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

User Note 1: *Cutoff date at port of loading*

User Note 2: *When V109 = "A" , field is not required. Refers to delivery date to origin airport*

User Note 3: *If actual date is unknown, provide estimated date*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

User Note 1: *Time associated to cutoff date communicated in Y307*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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: *If sent, should match value sent in V109*

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

Code	Name
A	Air
VE	Vessel, Ocean

Ref	Id	Element Name	Req	Type	Min/Max	Usage
Y311	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

Ref	Id	Element Name	Req	Type	Min/Max	Usage

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

User Option (Usage): Must use

Purpose: To transmit information relative to containers available for release

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

RR	Rail-to-Rail

Syntax Rules:

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

N9 Reference Identification

<table>
<tr><td>Pos: 054</td><td>Max: 200</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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:

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

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

Description: Reference information as defined for a particular Transaction Set or as

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		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

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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*

Code	Name
SF	Ship From

> **User Note 1:**
> *Required*
>
> **User Note 2:**
> *Should contain N1*SF address from 304*

Code	Name
ST	Ship To

> **User Note 1:**
> *Required*
>
> **User Note 2:**
> *Should contain N1*ST from 304*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	M	AN	1/60	Must use

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
93	Code assigned by the organization originating the transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

<table>
<tr><td>Pos: 080</td><td>Max: 2</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: N1</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Must use

Purpose: To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	M	AN	2/30	Must use

Description: Free-form text for city name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N402	156	**State or Province Code**	O	ID	1/2	Used

Description: Code (Standard State/Province) as defined by appropriate government agency

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.

R4   Port or Terminal

<table>
<tr><td>Pos: 110</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: R4</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
R403	310	**Location Identifier**	M	AN	1/30	Must use

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		Description: Code which identifies a specific location				
		User Note 1: *When V109 = "A", an IATA code specific to an airport should be provided*				
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

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

<table>
<tr><td>Pos: 120</td><td>Max: 15</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: R4</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Must use
Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.*

Code	Name
064	Do Not Deliver Before

> **User Note 1:**
> *Required when Y410 = RD, RP, RR*

Code	Name
597	Latest Delivery Date at Rail Ramp

> **User Note 1:**
> *Required when Y410 = RD, RP, RR*

Code	Name
LTP	Latest Filing Period

> **User Note 1:**
> *Document cutoff date*
> **User Note 2:**
> *Can be associated with the R4(L) loop.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	M	DT	8/8	Must use

Description: Date expressed as CCYYMMDD

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N701	206	**Equipment Initial**	O	AN	1/4	Used

Description: Prefix or alphabetic part of an equipment unit's identifying number
User Note 1: *If container number is unknown, N701, N702 & N718 should be blank.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N718	761	**Equipment Number Check Digit**	O	N0	1/1	Used

Description: Number which designates the check digit applied to a piece of equipment

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.

Comments:

1. N701 is mandatory for rail transactions.

L5 Description, Marks and Numbers

User Option (Usage): Used

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

Element Summary:

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

Description: Sequential line number for a lading item

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

<table>
<tr><td>Pos: 080</td><td>Max: 2</td></tr>
<tr><td colspan="2">Detail - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 5</td></tr>
</table>

User Option (Usage): Must use
Purpose: To provide vessel details and voyage number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V101	597	**Vessel Code**	O	ID	1/8	Used

Description: Code identifying vessel - IMO number
User Note 1: *Required when V109 = "VE"*
User Note 2: *If IMO number is unknown, send as null.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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: *When V109 = "A" this should contain airline name*
User Note 2: *If Vessel / Airline Name is unknown, send as null.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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
User Note 1: *If Flight / Voyage number is unknown, send as null.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V105	140	**Standard Carrier Alpha Code**	M	ID	2/4	Must use

Description: Standard Carrier Alpha Code
User Note 1: *SCAC of Steamship Line or Airline IATA Code.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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: *Value sent in V109 on 304 should be mirrored*

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

<table>
<tr><td>Pos: 010</td><td>Max: 1</td></tr>
<tr><td colspan="2" align="center">Summary - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

<table>
<tr><td>Pos:</td><td>Max: 1</td></tr>
<tr><td colspan="2">Not Defined - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA02	I12	**Interchange Control Number**	M	N0	9/9	Must use

Description: A control number assigned by the interchange sender