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304 Shipping Instructions (Ocean/Air)

X12/V4010: 304 Shipping Instructions (Ocean/Air)

Version: 1.7

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304 Shipping Instructions

Functional Group=SO

Purpose: This Draft Standard for Trial Use provides the format and establishes the data contents of the Shipment Instructions Transaction Set (304) for use within the context of an Electronic Data Interchange (EDI) environment.When this transaction set is transmitted to an ocean carrier, it provides all the information necessary to prepare and distribute a contract of carriage such as an ocean bill of lading, sea waybill, and other shipping documents. When this transaction set is transmitted to a freight forwarder or customs broker, it provides for the transmission of shipping and financial information required by the forwarder or customs broker to move cargo and provide the services requested.

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	B2	Beginning Segment for Shipment Information Transaction	M	1			Must use
030	B2A	Set Purpose	M	1			Must use
050	G1	Shipment Type Information	O	1			Used
080	N9	Reference Identification	M	200		N1/080	Must use
090	V1	Vessel Identification	M	2			Must use
115	CUR	Currency	M	1		N1/115	Used
130	M2	Sales/Delivery Terms	M	1			Must use
156	DTM	Date/Time Reference	M	20			Must use
LOOP ID - N1					**100**		
160	N1	Name	M	1			Must use
170	N2	Additional Name Information	M	2			Must use
180	N3	Address Information	M	2			Must use
190	N4	Geographic Location	M	1			Must use
195	G61	Contact	O	3			Used
LOOP ID - R4					**20**		
200	R4	Port or Terminal	M	1			Must use
230	K1	Remarks	O	12			Used
240	L11	Business Instructions and Reference Number	O	99			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - LX					**999**		
010	LX	Assigned Number	M	1			Must use
LOOP ID - N7					**999**		
030	N7	Equipment Details	O	1			Used

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
050	M7	Seal Numbers	O	5			Used
060	W09	Equipment and Temperature	O	1			Used
LOOP ID - L0					**120**		
170	L0	Line Item - Quantity and Weight	M	1			Must use
LOOP ID - PO4					**100**	**N2/172L**	
172	PO4	Item Physical Details	O	1		N2/172	Used
176	QTY	Quantity	O	5		N2/176	Used
185	L5	Description, Marks and Numbers	O	999			Used
187	LIN	Item Identification	O	1			Used
195	N9	Reference Identification	M	100			Used
LOOP ID - LH1					**1**		
290	LH1	Hazardous Identification Information	O	1			Used
300	LH2	Hazardous Classification Information	O	4		N2/300	Used
310	LH3	Hazardous Material Shipping Name	O	10			Used
320	LFH	Freeform Hazardous Material Information	O	25			Used
370	PER	Administrative Communications Contact	O	5			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - L3					**1**		
010	L3	Total Weight and Charges	O	1			Used
LOOP ID - L1					**20**		
030	L1	Rate and Charges	O	1			Used
080	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

Notes:

1/080   Reference qualifiers of 06, 23, AG, CR, IL, NP, SI will be sent on all transactions. Additional reference qualifiers may be sent but may be ignored.

1/115   The currency specified at this position will be in effect for all monetary values except those accompanied by a currency segment. If any other currency segments are transmitted, they will apply to the loop in which they occur.

2/172L   The PO4 loop may be used to transmit layered packaging information. The use of the PO4 loop in Table 2 Position 172 is mutually exclusive with the use of the PO4 loop in Table 2 Position 162 in a single iteration of the LX loop.

2/172   The PO4 loop may be used to transmit layered packaging information. The use of the PO4 loop in Table 2 Position 172 is mutually exclusive with the use of the PO4 loop in Table 2 Position 162 in a single iteration

of the LX loop.

2/176   The lading quantity of principal interest to the parties exchanging information is transmitted in the LO segment. The quantity ordered and other pertinent lading quantities are to be transmitted in the QTY segments in the LO loop.

2/300   If the hazardous endorsement (LH204) is "NONE", then use of LH204 is mandatory; however, the receiver must consider it to be blanks when printing a paper document.

ISA   Interchange Control Header

<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: 16</td></tr>
</table>

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

Code List Summary (Total Codes: 38, Included: 1)

Code	Name
ZZ	Mutually Defined

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

User Note 1:

PROD: RBTWRMS

TEST: RBTWRMSTEST

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		All valid standard codes are used. (Total Codes: 38)				
ISA08	I07	**Interchange Receiver ID**	M	AN	15/15	Must use

Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA09	I08	**Interchange Date**	M	DT	6/6	Must use

Description: Date of the interchange

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA10	I09	**Interchange Time**	M	TM	4/4	Must use

Description: Time of the interchange

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA13	I12	**Interchange Control Number**	M	N0	9/9	Must use

Description: A control number assigned by the interchange sender

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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 elements within a composite data structure; this value must be different than the data

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		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
SO	Ocean Shipment Information (304, 306, 309, 311, 317, 319, 321, 322, 323, 324, 325, 350, 352, 353, 354, 355, 356, 357, 358, 361)

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

User Note 1:

PROD: RBTWRMS

TEST: RBTWRMSTEST

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

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage

release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

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.

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).

B2 Beginning Segment for Shipment Information Transaction

Pos: 020	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 6**

User Option (Usage): Must use

Purpose: To transmit basic data relating to shipment information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B201	375	**Tariff Service Code**	O	ID	2/2	Used

Description: Code specifying the types of services for rating purposes

User Note 1: *All values above should be accounted for. Which movement types will be used will be determined by the customer requirements.*

Code List Summary (Total Codes: 79, 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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B202	140	**Standard Carrier Alpha Code**	O	ID	2/4	Used

Description: Standard Carrier Alpha Code

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
B204	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)

B206	146	**Shipment Method of Payment**	M	ID	2/2	Must use

Description: Code identifying payment terms for transportation charges

Code List Summary (Total Codes: 28, Included: 4)

<u>Code</u>	<u>Name</u>
CC	Collect
PC	Prepaid but Charged to Customer
PP	Prepaid (by Seller)
TP	Third Party Pay

B208	86	**Total Equipment**	O	N0	1/3	Used

Description: Total pieces of equipment

B211	335	**Transportation Terms Code**	O	ID	3/3	Used

Description: Code identifying the trade terms which apply to the shipment transportation responsibility

Code List Summary (Total Codes: 25, Included: 11)

<u>Code</u>	<u>Name</u>
CFR	Cost and Freight
CIF	Cost, Insurance, and Freight
CIP	Carriage and Insurance Paid To
CPT	Carriage Paid To
DAP	Delivered at Place
DAT	Delivered at Terminal
DDP	Delivered Duty Paid
EXW	Ex Works
FAS	Free Alongside Ship
FCA	Free Carrier
FOB	Free on Board

B2A Set Purpose

Pos: 030	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 1**

User Option (Usage): Must use

Purpose: To allow for positive identification of transaction set purpose

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
B2A01	353	**Transaction Set Purpose Code**	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

Code List Summary (Total Codes: 65, Included: 3)

Code	Name
00	Original

> **User Note 1:**
>
> *The initial 304 you receive may contain a value of "05" (Replace) rather than "00" (Original).*

Code	Name
01	Cancellation
05	Replace

G1 Shipment Type Information

<table>
<tr><td>Pos: 050</td><td>Max: 1</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 1</td></tr>
</table>

User Option (Usage): Used

Purpose: To specify the General Commodity (GC) code and any required special indicators for the shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
G101	311	**Shipment Type Code**	M	ID	1/2	Must use

Description: Code identifying shipment type

Code List Summary (Total Codes: 5, Included: 2)

Code	Name
CS	Customer Shipment
ST	Stock Transfer

N9 Reference Identification

Pos: 080	**Max: 200**
Heading - Mandatory	
Loop: N/A	**Elements: 3**

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

Code List Summary (Total Codes: 1503, Included: 12)

Code	Name
06	System Number

User Note 1:

CHR Internal Use

1O	Consolidation Shipment Number

User Note 1:

Qualifies a single number that is a key to a group of individual shipment numbers

23	Client Number

User Note 1:

CHR Account Name, can be used for internal file routing

AF	Airlines Flight Identification Number

User Note 1:

HWA Authorization Number, if required by CHR Customer

AG	Agent's Shipment Number

User Note 1:

CHR Load Number, Required on 315

CR	Customer Reference Number

User Note 1:

CHR Account Code, Required on 301

FN	Forwarder's/Agent's Reference Number

User Note 1:

Value sent with same qualifier on 301 will be returned on subsequent 304s

IL	Internal Order Number

User Note 1:

CHR Order Number, Required on 301

NP	Partial Payment Number

User Note 1:

CHR Internal Use

PH	Priority Rating

User Note 1:

Indicated 'Air' service level. Values will be mutually agreed upon during the project.

RU	Route code

User Note 1:

CHR Internal Use

			Code	Name

SI   Shipper's Identifying Number for Shipment (SID)

> **User Note 1:**
>
> *Primary Customer Reference Number*

N902	127	**Reference Identification**	X	AN	1/80	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

N903	369	**Free-form Description**	X	AN	1/45	Used

Description: Free-form descriptive text

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.

Semantics:

1.

V1   Vessel Identification

<div style="border:1px solid black">

Pos: 090   **Max: 2**

Heading - Mandatory

Loop: N/A   **Elements: 4**

</div>

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**	M	ID	1/8	Must use

Description: Code identifying vessel - IMO number

User Note 1:

If Vessel Code (IMO#) is not yet known by CHR, a value of "TBD" will be passed to satisfy the syntax rule.

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:

If Vessel Name is not yet known by CHR, a value of "TBD" will be passed to satisfy the syntax rule.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
V104	55	**Flight/Voyage Number**	O	AN	2/10	Used

Description: Identifying designator for the particular flight or voyage on which the cargo travels

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

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

Code	Name
A	Air
VE	Vessel, Ocean

CUR Currency

<table>
<tr><td>Pos: 115</td><td>Max: 1</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): Used

Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CUR01	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: 1)

Code	Name
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CUR02	100	**Currency Code**	M	ID	3/3	Must use

Description: Code (Standard ISO) for country in whose currency the charges are specified

M2 Sales/Delivery Terms

User Option (Usage): Must use
Purpose: To state terms and dates

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
M201	139	**Sales Terms Code**	O	ID	2/2	Used

Description: Code identifying terms of sale

Code List Summary (Total Codes: 13, Included: 1)

Code	Name
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
M204	335	**Transportation Terms Code**	O	ID	3/3	Used

Description: Code identifying the trade terms which apply to the shipment transportation responsibility

Code List Summary (Total Codes: 27, Included: 11)

Code	Name
CFR	Cost and Freight
CIF	Cost, Insurance, and Freight
CIP	Carriage and Insurance Paid To
CPT	Carriage Paid To
DAP	Delivery at Place
DAT	Delivery at Terminal
DDP	Delivered Duty Paid
EXW	Ex Works
FAS	Free Alongside Ship
FCA	Free Carrier
FOB	Free on Board

Ref	Id	Element Name	Req	Type	Min/Max	Usage
M207	309	**Location Qualifier**	X	ID	1/2	Used

Description: Code identifying type of location

Code List Summary (Total Codes: 172, Included: 1)

Code	Name
DL	Delivery Location

Ref	Id	Element Name	Req	Type	Min/Max	Usage
M208	310	**Location Identifier**	X	AN	1/30	Used

Description: Code which identifies a specific location
User Note 1: *INCOTerms Named Location*

Syntax Rules:

1. P0708 - If either M207 or M208 is present, then the other is required.

DTM Date/Time Reference

<table>
<tr><td>Pos: 156</td><td>Max: 20</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: N/A</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: 3)

Code	Name
002	Delivery Requested
010	Requested Ship

> **User Note 1:**
> *Latest Pickup Date*

Code	Name
018	Available

> **User Note 1:**
> *Earliest Pickup Date*

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

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.

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

User Note 1:

SF, ST, and CN loops will be sent on all transactions. Additional loops may be sent if provided by the customer.

Code List Summary (Total Codes: 1312, Included: 9)

Code	Name
BT	Bill-to-Party
CN	Consignee

User Note 1:

Party which 1st takes delivery of freight

Code	Name
EX	Exporter
N1	Notify Party no. 1
SD	Sold To and Ship To
SF	Ship From

User Note 1:

Shipment Origin

Code	Name
ST	Ship To

User Note 1:

Shipment Destination

Code	Name
SU	Supplier/Manufacturer
UC	Ultimate Consignee

User Note 1:

Party which takes final delivery of freight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/60	Used

Description: Free-form name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	Used

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**	X	AN	2/80	Used

Description: Code identifying a party or other code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
		User Note 1:				
		A list of locations and their corresponding identification codes can be provided upon request.				

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.

N2 Additional Name Information

Pos: 170	**Max: 2**
Heading - Mandatory	
Loop: N1	**Elements: 2**

User Option (Usage): Must use

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

Pos: 180	**Max: 2**
Heading - Mandatory	
Loop: N1	**Elements: 2**

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: 190	**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**	O	AN	2/30	Used

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

User Note 1:

Min/Max has been adjusted to 1/2 from the standard of 2/2. This is to account for countries which have one character state or province codes.

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

G61 Contact

<table>
<tr><td>Pos: 195</td><td>Max: 3</td></tr>
<tr><td colspan="2">Heading - Optional</td></tr>
<tr><td>Loop: N1</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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**
ZZ   Mutually Defined

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: 2)

Code **Name**
EM   Electronic Mail
TE   Telephone

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

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

Syntax Rules:

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

R4 Port or Terminal

Pos: 200	**Max: 1**
Heading - Mandatory	
Loop: R4	**Elements: 6**

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

User Note 1:

If Port of Loading and Port of Discharge are unknown by CHR, the loops will be omitted. Place of Receipt and Place of Delivery will always be sent.

Code List Summary (Total Codes: 30, Included: 4)

Code **Name**

D   Port of Discharge

   User Note 1:

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

E   Place of Delivery

   User Note 1:

   Required - Place at which cargo leaves its care and custody of carrier.

L   Port of Loading

   User Note 1:

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

R   Place of Receipt

   User Note 1:

   Required - Place at which cargo enters the care and custody of carrier

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: 3)

Code **Name**

CI   City

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

Description: Code which identifies a specific location

User Note 1:

When the mode is Ocean, Port of Loading and Port of Discharge will transmit the UNLOC. When the mode is Air, the Port of Loading and Port of Discharge will transmit the IATA code.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
R405	26	**Country Code**	O	ID	2/3	Used
		Description: Code identifying the country				
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.

K1 Remarks

Pos: 230	Max: 12
Heading - Optional	
Loop: N/A	**Elements: 2**

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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				

L11 Business Instructions and Reference Number

Pos: 240	**Max: 99**
Heading - Optional	
Loop: N/A	**Elements: 3**

User Option (Usage): Used

Purpose: To specify instructions in this business relationship or a reference number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L1101	127	**Reference Identification**	X	AN	1/30	Used

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L1102	128	**Reference Identification Qualifier**	X	ID	2/3	Used

Description: Code qualifying the Reference Identification

Code List Summary (Total Codes: 1503, Included: 1)

Code	Name
ZZ	Mutually Defined

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L1103	352	**Description**	X	AN	1/80	Used

Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

1. R0103 - At least one of L1101 or L1103 is required.
2. P0102 - If either L1101 or L1102 is present, then the other 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: 030   Max: 1
Detail - Optional
Loop: N7   Elements: 10

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

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
N703	81	**Weight**	X	R	1/10	Used

Description: Numeric value of weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N704	187	**Weight Qualifier**	X	ID	1/2	Used

Description: Code defining the type of weight

Code List Summary (Total Codes: 51, Included: 2)

Code	Name
G	Gross Weight
N	Actual Net Weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N711	40	**Equipment Description Code**	O	ID	2/2	Used

Description: Code identifying type of equipment used for shipment

Code List Summary (Total Codes: 136, Included: 6)

Code	Name
CN	Container
CX	Container, Tank
CZ	Refrigerated Container
HV	High Cube Van
PH	High Cube Pallet Wide
PW	Pallet Wide

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N712	140	**Standard Carrier Alpha Code**	O	ID	2/4	Used

Description: Standard Carrier Alpha Code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N715	567	**Equipment Length**	O	N0	4/5	Used

User Note 1: *Possible values:*

2000 (20 foot)

4000 (40 foot)

4500 (45 foot)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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: *When container length and type are available, N722 will list a concatenation of N711 (Equipment Type) + first two digits of N715 (Equipment Length)*

User Note 2: *When container length and type are not available, N722 will indicate a container type of "LCL1"*

User Note 3: *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.

Semantics:

1.

User Note 1:

N7 segment will not be sent when V109 = "A".

M7   Seal Numbers

<table>
<tr><td>Pos: 050</td><td>Max: 5</td></tr>
<tr><td colspan="2" align="center">Detail - Optional</td></tr>
<tr><td>Loop: N7</td><td>Elements: 1</td></tr>
</table>

User Option (Usage): Used

Purpose: To record seal numbers used and the organization that applied the seals

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
M701	225	**Seal Number**	M	AN	2/15	Must use

                   Description: Unique number on seal used to close a shipment

W09 Equipment and Temperature

Pos: 060	Max: 1
Detail - Optional	
Loop: N7	**Elements: 6**

User Option (Usage): Used

Purpose: To relate equipment type and required temperatures

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W0901	40	**Equipment Description Code**	M	ID	2/2	Must use

Description: Code identifying type of equipment used for shipment

Code List Summary (Total Codes: 134, Included: 4)

Code	Name
CN	Container
CX	Container, Tank
CZ	Refrigerated Container
HV	High Cube Van

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W0902	408	**Temperature**	X	R	1/4	Used

Description: Temperature

User Note 1: *Required Low Temperature*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Code List Summary (Total Codes: 794, Included: 2)

Code	Name
CE	Centigrade, Celsius
FA	Fahrenheit

Ref	Id	Element Name	Req	Type	Min/Max	Usage
W0904	408	**Temperature**	X	R	1/4	Used

Description: Temperature

User Note 1: *Required High Temperature*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.

L0 Line Item - Quantity and Weight

Pos: 170	**Max: 1**
Detail - Mandatory	
Loop: L0	**Elements: 11**

User Option (Usage): Must use

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L001	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
L004	81	**Weight**	M	R	1/10	Must use

Description: Numeric value of weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L005	187	**Weight Qualifier**	M	ID	1/2	Must use

Description: Code defining the type of weight

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

Code	Name
G	Gross Weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L006	183	**Volume**	X	R	1/8	Used

Description: Value of volumetric measure

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L007	184	**Volume Unit Qualifier**	X	ID	1/1	Used

Description: Code identifying the volume unit

Code List Summary (Total Codes: 16, Included: 2)

Code	Name
E	Cubic Feet
X	Cubic Meters

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L008	80	**Lading Quantity**	M	N0	1/7	Must use

Description: Number of units (pieces) of the lading commodity

User Note 1:

Represents item outer packaging quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L009	211	**Packaging Form Code**	M	ID	3/3	Must use

Description: Code for packaging form of the lading quantity

Code List Summary (Total Codes: 134, Included: 33)

Code	Name
BAG	Bag
BAL	Bale
BDL	Bundle
BIN	Bin
BLK	Bulk
BOT	Bottle

Code	**Name**			
BOX	Box			
BXT	Bucket			
CAS	Case			
CRT	Crate			
CTN	Carton			
CYL	Cylinder			
DRM	Drum			
JAR	Jar			
JUG	Jug			
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			
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

User Note 1:
Represents item inner packaging 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.*

User Note 2: *Used to communicate inner pack details.*

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

L015	1073	**Yes/No Condition or Response Code**	X	ID	1/1	Used

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

Description: Code indicating a Yes or No condition or response

Code List Summary (Total Codes: 4, Included: 1)

Code	**Name**
W	Not Applicable

Syntax Rules:

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

Semantics:

1.

PO4 Item Physical Details

User Option (Usage): Used

Purpose: To specify the physical qualities, packaging, weights, and dimensions relating to the item

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO410	82	**Length**	X	R	1/8	Used

Description: Largest horizontal dimension of an object measured when the object is in the upright position

PO411	189	**Width**	X	R	1/8	Used

Description: Shorter measurement of the two horizontal dimensions measured with the object in the upright position

PO412	65	**Height**	X	R	1/8	Used

Description: Vertical dimension of an object measured when the object is in the upright position

PO413	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: 4)

Code	Name
CM	Centimeter
IN	Inch
LF	Linear Foot
LM	Linear Meter

Syntax Rules:

1. C1013 - If PO410 is present, then PO413 is required.
2. C1113 - If PO411 is present, then PO413 is required.
3. C1213 - If PO412 is present, then PO413 is required.
4. L13101112 - If PO413 is present, then at least one of PO410, PO411 or PO412 is required.

QTY Quotation

User Option (Usage): Used

Purpose: To specify quantity information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
QTY01	673	**Quantity Qualifier**	M	ID	2/2	Must use

Description: Code specifying the type of quantity

Code List Summary (Total Codes: 832, Included: 1)

Code	**Name**
38	Original Quantity

QTY02	380	**Quantity**	M	R	1/15	Must use

Description: Numeric value of quantity

User Note 1: *Value represents the number of pallets associated with the item.*

QTY03	C001	**Composite Unit of Measure**	O	Comp		Used

Description: To identify a composite unit of measure(See Figures Appendix for examples of use)

QTY03-01	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

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: 1)

Code	**Name**
PL	Pallet

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

| 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

| L506 | 87 | **Marks and Numbers** | X | AN | 1/48 | Used |

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

| 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 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.

LIN Item Identification

<table>
<tr><td>Pos: 187</td><td>Max: 1</td></tr>
<tr><td colspan="2">Detail - Optional</td></tr>
<tr><td>Loop: L0</td><td>Elements: 19</td></tr>
</table>

User Option (Usage): Used

Purpose: To specify basic item identification data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN01	350	**Assigned Identification**	O	AN	1/20	Used

Description: Alphanumeric characters assigned for differentiation within a transaction set

LIN02	235	**Product/Service ID Qualifier**	M	ID	2/2	Must use

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 477, Included: 1)

Code	Name
PN	Company Part Number

LIN03	234	**Product/Service ID**	M	AN	1/48	Must use

Description: Identifying number for a product or service

LIN04	235	**Product/Service ID Qualifier**	M	ID	2/2	Must use

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 477, Included: 1)

Code	Name
CN	Commodity Name

LIN05	234	**Product/Service ID**	M	AN	1/48	Must use

Description: Identifying number for a product or service

LIN06	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 477, Included: 1)

Code	Name
SK	Stock Keeping Unit (SKU)

LIN07	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

LIN08	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 477, Included: 1)

Code	Name
BL	Brand/Label

LIN09	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

LIN10	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 477, Included: 1)

Code Name
BP   Buyer's Part Number

LIN11	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

LIN12	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 477, Included: 1)

Code Name
UP   U.P.C. Consumer Package Code (1-5-5-1)

LIN13	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

LIN14	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 477, Included: 1)

Code Name
VN   Vendor's (Seller's) Item Number

LIN15	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

LIN16	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 477, Included: 1)

Code Name
CH   Country of Origin Code

LIN17	234	**Product/Service ID**	X	AN	1/48	Used

Description: Identifying number for a product or service

LIN20	235	**Product/Service ID Qualifier**	X	ID	2/2	Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Code List Summary (Total Codes: 477, Included: 1)

<u>**Code**</u> <u>**Name**</u>
PI   Purchaser's Item Code

| LIN21 | 234 | **Product/Service ID** | X | AN | 1/48 | Used |

Description: Identifying number for a product or service

Syntax Rules:

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.
2. P0607 - If either LIN06 or LIN07 is present, then the other is required.
3. P0809 - If either LIN08 or LIN09 is present, then the other is required.
4. P1011 - If either LIN10 or LIN11 is present, then the other is required.
5. P1213 - If either LIN12 or LIN13 is present, then the other is required.
6. P1415 - If either LIN14 or LIN15 is present, then the other is required.
7. P1617 - If either LIN16 or LIN17 is present, then the other is required.
8. P1819 - If either LIN18 or LIN19 is present, then the other is required.
9. P2021 - If either LIN20 or LIN21 is present, then the other is required.

Semantics:

1. LIN01 is the line item identification

N9 Reference Identification

<div style="border:1px solid black">
Pos: 195   Max: 100
Detail - Mandatory
Loop: L0   Elements: 2
</div>

User Option (Usage): Used

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

Code List Summary (Total Codes: 1503, Included: 2)

Code	Name
IL	Internal Order Number

> **User Note 1:**
> *CHR Order Number*

Code	Name
S7	Stack Train Identification

> **User Note 1:**
> *Item is stackable (True/False)*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N902	127	**Reference Identification**	M	AN	1/30	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.

LH1 Hazardous Identification Information

Pos: 290	Max: 1
Detail - Optional	
Loop: LH1	**Elements: 4**

User Option (Usage): Used

Purpose: To specify the hazardous commodity identification reference number and quantity

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH101	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

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: 1)

Code	Name
ZZ	Mutually Defined

LH102	80	**Lading Quantity**	M	N0	1/7	Must use

Description: Number of units (pieces) of the lading commodity

LH103	277	**UN/NA Identification Code**	M	ID	6/6	Must use

Description: Code identifying the hazardous material identification number as required by Title 49 of the code of Federal Regulations; UN/NA stands for United Nations/North America

LH110	254	**Packing Group Code**	O	ID	1/3	Used

Description: Code indicating degree of danger in terms of Roman number I, II or III

LH2 Hazardous Classification Information

<table>
<tr><td colspan="2">**Pos: 300**   **Max: 4**</td></tr>
<tr><td colspan="2" align="center">**Detail - Optional**</td></tr>
<tr><td>**Loop: LH1**</td><td>**Elements: 4**</td></tr>
</table>

User Option (Usage): Used

Purpose: To specify the hazardous notation and endorsement information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH201	215	**Hazardous Classification**	O	ID	1/30	Used

Description: The hazardous classification corresponding to the shipping name of the hazardous commodity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH205	759	**Reportable Quantity Code**	O	ID	2/2	Used

Description: Code to identify presence of hazardous substance
All valid standard codes are used. (Total Codes: 1)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH206	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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH207	408	**Temperature**	X	R	1/4	Used

Description: Temperature
User Note 1: *Flashpoint Temperature*

Syntax Rules:

1. P0607 - If either LH206 or LH207 is present, then the other is required.

Semantics:

1. LH206 and LH207 indicate the flashpoint temperature.

LH3 Hazardous Material Shipping Name

Pos: 310	**Max: 10**
Detail - Optional	
Loop: LH1	**Elements: 3**

User Option (Usage): Used

Purpose: To specify the hazardous material shipping name and additional descriptive requirements

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH301	224	**Hazardous Material Shipping Name**	X	AN	1/25	Used

Description: The proper shipping name of the hazardous commodity as specified by the Code of Federal Regulations, Title 49

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH302	984	**Hazardous Material Shipping Name Qualifier**	X	ID	1/1	Used

Description: Qualifier indicating the source (regulatory) of the proper shipping name

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LH303	985	**N.O.S. Indicator Code**	O	ID	3/3	Used

Description: Code indicating the type of regulatory requirements that apply to a description; N.O.S. stands for Not Otherwise Specified

All valid standard codes are used. (Total Codes: 1)

Syntax Rules:

1. P0102 - If either LH301 or LH302 is present, then the other is required.

LFH   Freeform Hazardous Material Information

<div style="float:right; border:1px solid black;">

Pos: 320   Max: 25
Detail - Optional
Loop: LH1   Elements: 3

</div>

User Option (Usage): Used

Purpose: To uniquely identify the variable information required by government regulation covering the transportation of hazardous material shipments

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LFH01	808	**Hazardous Material Shipment Information Qualifier**	M	ID	3/3	Must use

Description: Qualifier indicating the type of information being passed so that a receiver may format a description of hazardous commodity movements that meets regulatory requirements

Code List Summary (Total Codes: 19, Included: 4)

Code	Name
ADI	Additional Descriptive Information Not Required by Regulation but Desired to Accompany the Movement by the Shipper

User Note 1:

Indicates vessel stowage category

Code	Name
EMS	Emergency Schedule (EMS) Page Number
LQY	"Limited Quantity" Declaration
MPI	Marine Pollutant

User Note 1:

Indicates marine pollutant category

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LFH02	809	**Hazardous Material Shipment Information**	M	AN	1/25	Must use

Description: Specific information required by law for hazardous material shipments

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LFH03	809	**Hazardous Material Shipment Information**	O	AN	1/25	Used

Description: Specific information required by law for hazardous material shipments

Syntax Rules:

1. P0506 - If either LFH05 or LFH06 is present, then the other is required.

Semantics:

1. LFH06 indicates activity of the radioactive material.
2. LFH07 indicates transport index of the radioactive material.

PER Administrative Communications Contact

<table>
<tr><td>Pos: 370</td><td>Max: 5</td></tr>
<tr><td colspan="2" align="center">Detail - Optional</td></tr>
<tr><td>Loop: LH1</td><td>Elements: 2</td></tr>
</table>

User Option (Usage): Used

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER01	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
EM	Emergency Contact

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER02	93	**Name**	O	AN	1/60	Used

Description: Free-form name

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

L3   Total Weight and Charges

<table>
<tr><td>Pos: 010</td><td>Max: 1</td></tr>
<tr><td colspan="2">Summary - Optional</td></tr>
<tr><td>Loop: L3</td><td>Elements: 7</td></tr>
</table>

User Option (Usage): Used

Purpose: To specify the total shipment in terms of weight, volume, rates, charges, advances, and prepaid amounts applicable to one or more line items

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L301	81	**Weight**	X	R	1/10	Used

Description: Numeric value of weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L302	187	**Weight Qualifier**	X	ID	1/2	Used

Description: Code defining the type of weight

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

Code	Name
G	Gross Weight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L309	183	**Volume**	X	R	1/8	Used

Description: Value of volumetric measure

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L310	184	**Volume Unit Qualifier**	X	ID	1/1	Used

Description: Code identifying the volume unit

Code List Summary (Total Codes: 16, Included: 2)

Code	Name
E	Cubic Feet
X	Cubic Meters

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L312	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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L314	74	**Declared Value**	X	N2	2/12	Used

Description: Monetary assigned value expressed in the standard monetary denomination for the currency specified

User Note 1: *Total Shipment Item Value*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L315	122	**Rate/Value Qualifier**	X	ID	2/2	Used

Description: Code qualifying how to extend charges or interpret value

Code List Summary (Total Codes: 163, Included: 1)

Code	Name
BL	Bill of Lading Declared Value

Syntax Rules:

1. P0102 - If either L301 or L302 is present, then the other is required.
2. P0304 - If either L303 or L304 is present, then the other is required.
3. P0910 - If either L309 or L310 is present, then the other is required.
4. C1201 - If L312 is present, then L301 is required.

Semantics:

1.

L1 Rate and Charges

User Option (Usage): Used

Purpose: To specify rate and charges detail relative to a line item including freight charges, advances, special charges, and entitlements

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L104	58	**Charge**	X	N2	1/12	Used

Description: For a line item: freight or special charge; for the total invoice: the total charges -- expressed in the standard monetary denomination for the currency specified

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L108	150	**Special Charge or Allowance Code**	O	ID	3/3	Used

Description: Code identifying type of special charge or allowance

Code List Summary (Total Codes: 1073, Included: 3)

Code	Name
400	Freight
405	Fuel Surcharge
MSC	Other Accessorial Service Charge

Ref	Id	Element Name	Req	Type	Min/Max	Usage
L120	100	**Currency Code**	O	ID	3/3	Used

Description: Code (Standard ISO) for country in whose currency the charges are specified

Syntax Rules:

1. P0203 - If either L102 or L103 is present, then the other is required.
2. R040506 - At least one of L104, L105 or L106 is required.
3. P1415 - If either L114 or L115 is present, then the other is required.
4. P1718 - If either L117 or L118 is present, then the other is required.

Semantics:

1. L119 is the percent used to determine the charge in L104.
2. L120, if used, indicates the currency for all monetary amounts in this L1 segment.
3. L121 is the origin rated as charge amount.

SE   Transaction Set Trailer

<div>

Pos: 080   **Max: 1**
Summary - Mandatory
Loop: N/A   Elements: 2

</div>

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

GE   Functional Group Trailer

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.

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				