310 4010

EDI User Manual

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Status Indicators

Status Indicators (M, O and X) form part of the ANSI ASC X12 standard and indicate a minimum requirement to fulfil the needs of the message structure.

The Status Indicators are:

Indicator	Value	Description
M	Mandatory	This entity must appear in all messages. Shown as usage indicator "M" in Implementation Guidelines.
O	Optional	This entity is used by agreement between the parties to the transaction.
X	Relational	This entity depends upon a well-defined condition or set of conditions. These conditions must be clearly specified in the relevant implementation guideline.

A Status Indicator may be represented by a supporting Usage Indicator which is either M, O, D or X.

Usage Indicators

Throughout this document reference is made to indicators (M, D, O and X) which are shown adjacent to data items and which dictate for the particular message or set thereof the agreed usage of the data items or entities.

Set out below are the indicators and their respective uses:

Indicator	Value	Description
M	Mandatory	Indicates that this entity is mandatory and must be sent in this implementation.
O	Optional	Indicates that this entity is at the need or discretion of the sender of the message.
D	Dependent	Indicates that the use of the entity depends upon a well-defined condition or set of conditions. These conditions must be clearly specified in the relevant implementation guideline.
X	Not Used	Indicates that the entity is not to be used in this message implementation.

Please be aware that each usage indicator describes the usage of an entity within it's parent entity. For example, a segment that is marked to be (M)andatory within an optional segment group must only be sent when the segment group is used.

Message Structure

Tag	Name	Status	Max. Use	Usage
ISA	Interchange Control Header	M	1	M
GS	Functional Group Header	O	1	O
ST	Transaction Set Header	M	1	M
B3	Beginning Segment for Carrier's Invoice	M	1	M
B2A	Set Purpose	O	1	O
Y6	Authentication	O	2	O
G3	Compensation Information	O	1	X
N9	Reference Identification	O	15	O
V1	Vessel Identification	M	2	M
M0	Letter of Credit Reference	O	1	X
M1	Insurance	O	5	X
C2	Bank ID	O	1	X
C3	Currency	O	1	O
Y2	Container Details	O	10	O
LoopN1		**M**	**10**	**M**
N1	Name	M	1	M
N2	Additional Name Information	O	1	O
N3	Address Information	O	2	O
N4	Geographic Location	O	1	O
G61	Contact	O	3	O
LoopR4		**M**	**20**	**M**
R4	Port or Terminal	M	1	M
DTM	Date/Time Reference	O	15	O
R2A	Route Information with Preference	O	25	X
R2	Route Information	O	13	O
K1	Remarks	O	12	X
H3	Special Handling Instructions	O	6	X
L5	Description, Marks and Numbers	O	1	X
LoopC8		**O**	**20**	**O**
C8	Certifications and Clauses	O	1	O
C8C	Certifications Clauses Continuation	O	5	X

LoopLX		M	999	M
LX	Assigned Number	M	1	M
LoopN7		**O**	**999**	**O**
N7	Equipment Details	O	1	O
QTY	Quantity	O	1	O
V4	Cargo Location Reference	O	1	X
N12	Equipment Environment	O	1	X
M7	Seal Numbers	O	5	O
W09	Equipment and Temperature	O	1	X
LoopL1		**O**	**20**	**O**
L1	Rate and Charges	O	1	O
C3	Currency	O	1	O
L7	Tariff Reference	O	1	X
X1	Export License	O	1	X
X2	Import License	O	1	X
N9	Reference Identification	O	3	X
LoopH1		**O**	**10**	**O**
H1	Hazardous Material	O	1	O
H2	Additional Hazardous Material Description	O	10	X
LoopL0		**O**	**120**	**O**
L0	Line Item - Quantity and Weight	O	1	O
L5	Description, Marks and Numbers	O	999	O
LoopL1		**O**	**20**	**O**
L1	Rate and Charges	O	1	O
C3	Currency	O	1	O
L7	Tariff Reference	O	1	X
X1	Export License	O	1	X
X2	Import License	O	1	X
LoopC8		**O**	**20**	**X**
C8	Certifications and Clauses	O	1	X
C8C	Certifications Clauses Continuation	O	5	X
LoopH1		**O**	**10**	**O**
H1	Hazardous Material	O	1	O
H2	Additional Hazardous Material Description	O	10	X
L3	Total Weight and Charges	M	1	M
PWK	Paperwork	O	25	X
LoopL1		**O**	**20**	**O**
L1	Rate and Charges	O	1	O
C3	Currency	O	1	O
V9	Event Detail	O	10	X
C8	Certifications and Clauses	O	20	X
K1	Remarks	O	999	X
L11	Business Instructions and Reference Number	O	1	X
SE	Transaction Set Trailer	M	1	M
GE	Functional Group Trailer	O	1	O
IEA	Interchange Control Trailer	M	1	M

Description of used Message Segments

ISA Interchange Control Header

Status: M Usage: M Min/Max: 1/1
Group: N/A

up

Description:

To start and identify an interchange of zero or more functional groups and interchange-related control segments

Example:

```
ISA*****01*HLCU*12*CustID*110915*1547*U*00401*000000001*0*T*>~
```

Tag	Element Name	Status	Type	Usage
I01	AUTHORIZATION INFORMATION QUALIFIER	M	id2	M
	Description: Code identifying the type of information in the Authorization Information			
I02	AUTHORIZATION INFORMATION	M	an10	M
	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)			
I03	SECURITY INFORMATION QUALIFIER	M	id2	M
	Description: Code identifying the type of information in the Security Information			
I04	SECURITY INFORMATION	M	an10	M
	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)			
I05	INTERCHANGE ID QUALIFIER	M	id2	M
	Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified **Note:** `01`			
I06	INTERCHANGE SENDER ID	M	an15	M
	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 **Example:** `HLCU`			
I05	INTERCHANGE ID QUALIFIER	M	id2	M
	Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified			
I07	INTERCHANGE RECEIVER ID	M	an15	M

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
Example:

```
CustID
```

I08	INTERCHANGE DATE	M	dt6	M

Description:
Date of the interchange
Example:

```
110915
```

I09	INTERCHANGE TIME	M	tm4	M

Description:
Time of the interchange
Example:

```
1547
```

I10	INTERCHANGE CONTROL STANDARDS IDENTIFIER	M	id1	M

Note:

```
U
```

I11	INTERCHANGE CONTROL VERSION NUMBER	M	id5	M

Description:
Code specifying the version number of the interchange control segments
Note:

```
00401
```

I12	INTERCHANGE CONTROL NUMBER	M	n09	M

Description:
A control number assigned by the interchange sender
Example:

```
1
```

I13	ACKNOWLEDGMENT REQUESTED	M	id1	M

Description:
Code indicating sender's request for an interchange acknowledgment
Note:

```
0 = without Acknowledgment
```

I14	USAGE INDICATOR	M	id1	M

Description:
Code indicating whether data enclosed by this interchange envelope is test, production or information
Note:

```
P = Production, T = Test
```

I15	COMPONENT ELEMENT SEPARATOR	M	an1	M

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 element separator and the segment terminator
Note:

>

GS Functional Group Header

Status: O Usage: O Min/Max: 0/1
Group: N/A

up

Description:

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

Example:

```
GS*IO*HLCU*CustID*20110915*154745*1*X*004010~
```

Tag	Element Name	Status	Type	Usage
479	FUNCTIONAL IDENTIFIER CODE	M	id2	M
	Description: Code identifying a group of application related transaction sets **Note:** `IO`			
142	APPLICATION SENDER'S CODE	M	an..15	M
	Description: Code identifying party sending transmission; codes agreed to by trading partners **Example:** `HLCU`			
124	APPLICATION RECEIVER'S CODE	M	an..15	M
	Description: Code identifying party receiving transmission; codes agreed to by trading partners **Example:** `CustID`			
373	DATE	M	dt8	M
	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year **Example:** `20110915`			
337	TIME	M	tm..8	M
	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)			
28	GROUP CONTROL NUMBER	M	n0..9	M
	Description: Assigned number originated and maintained by the sender **Note:** `1`			
455	RESPONSIBLE AGENCY CODE	M	id..2	M

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

480 VERSION / RELEASE / INDUSTRY IDENTIFIER CODE M an..12 M

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 association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed
Note:
004010

ST Transaction Set Header

Status: M Usage: M Min/Max: 1/1
Group: N/A

up

Description:

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

Example:

```
ST*310*175567948~
```

Tag	Element Name	Status	Type	Usage
143	TRANSACTION SET IDENTIFIER CODE	M	id3	M
	Description: Code uniquely identifying a Transaction Set **Note:** `310`			
329	TRANSACTION SET CONTROL NUMBER	M	an..9	M
	Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set **Example:** `175567948`			

B3 Beginning Segment for Carrier's Invoice

Status: M Usage: M Min/Max: 1/1
Group: N/A

up

Description:

To transmit basic data relating to the carrier's invoice

Example:

```
B3*B*Inv#*BL#*CC**20110928*287402**20111010*139*HLCU*20110928*PD~
```

Tag	Element Name	Status	Type	Usage
147	SHIPMENT QUALIFIER	O	id1	O
	Description: Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time **Note:** `B ... Bill of Lading for individual shipments`			
76	INVOICE NUMBER	M	an..22	M
	Description: Identifying number assigned by issuer **Note:** `Invoice Number`			
145	SHIPMENT IDENTIFICATION NUMBER	O	an..30	O
	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) **Note:** `B/L Number`			
146	SHIPMENT METHOD OF PAYMENT	M	id2	M
	Description: Code identifying payment terms for transportation charges **Note:** `PP .. Prepaid` `CC .. Collect`			
188	WEIGHT UNIT CODE	O	id1	X
	Description: Code specifying the weight unit			
373	DATE	M	dt8	M
	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year **Note:** `Invoice date`			
193	NET AMOUNT DUE	M	n2..12	M

	Description: Total charges to be paid by the receiver of this transaction set expressed in the standard monetary denomination for the currency specified **Note:** `Amount`			
202	CORRECTION INDICATOR	O	id2	X
	Description: Code used to indicate that the transaction set contains information which corrects previous information			
32	DELIVERY DATE	O	dt8	O
	Description: Date for delivery of cargo to final consignee or to next mode expressed in format CCYYMMDD where CC represents the first two digits of the calendar year **Note:** `ARRIVAL_DATE`			
374	DATE/TIME QUALIFIER	O	id3	O

	Description:
	Code specifying type of date or time, or both date and time
	Note:
	`139 .. Estimated`
	`140 .. Actual`			

140	STANDARD CARRIER ALPHA CODE	M	id..4	M

	Description:
	Standard Carrier Alpha Code
	Note:
	`Scac Code`
	Example:
	`HLCU`			

373	DATE	O	dt8	O
	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year **Note:** `BL ISSUE Date`			
375	TARIFF SERVICE CODE	O	id2	O
	Description: Code specifying the types of services for rating purposes			
335	TRANSPORTATION TERMS CODE	O	id3	X
	Description: Code identifying the trade terms which apply to the shipment transportation responsibility			

B2A Set Purpose

Status: O Usage: O Min/Max: 0/1
Group: N/A

up

Description:

To allow for positive identification of transaction set purpose

Example:

```
B2A*00*BL~
```

Tag	Element Name	Status	Type	Usage
353	TRANSACTION SET PURPOSE CODE	M	id2	M

	Description:
	Code identifying purpose of transaction set
	Note:
	`00 .. Original`
	`01 .. Cancellation`			

346	APPLICATION TYPE	O	id2	O
	Description: Code identifying an application **Note:** `BL .. Bill of Lading`			

Y6 Authentication

Status: O Usage: O Min/Max: 0/2
Group: N/A

up

Description:

To specify the authority for authorizing an action and the date authentication is made

Example:

```
Y6*CA*HLCU*20110928~
```

Tag	Element Name	Status	Type	Usage
313	AUTHORITY IDENTIFIER CODE	O	id2	O
	Description: Code indicating authority for authentication **Note:** `CA .. Carrier`			
151	AUTHORITY	M	an..20	M

	Description:
	Name or code of authority for authorizing action or reservation
	Note:
	`Scac Code`
	Example:
	`HLCU`			

275	AUTHORIZATION DATE	M	dt8	M
	Description: Date authentication is made expressed in format CCYYMMDD where CC represents the first two digits of the calendar year **Note:** `Invoice date`			

N9 Reference Identification

Status: O Usage: O Min/Max: 0/15
Group: N/A

up

Description:

To transmit identifying information as specified by the Reference Identification Qualifier

Example:

```
N9*BN*40120917*BOOKING NUMBER
N9*BM*HLCUHAM090200010*BILL OF LADING NUMBER
N9*IK*31301499*INVOICE NUMBER
N9*SI*6255161*YOUR REF
```

Tag	Element Name	Status	Type	Usage
128	REFERENCE IDENTIFICATION QUALIFIER	M	id..3	M

	Description:
	Code qualifying the Reference Identification
	Note:
	`BN .. Booking Number`
	`BM .. Bill of Lading Number`
	`IK .. Invoice Number`
	`SI .. Customer Reference`			

127	REFERENCE IDENTIFICATION	O	an..30	O
	Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
369	FREE-FORM DESCRIPTION	O	an..45	O
	Description: Free-form descriptive text			
373	DATE	O	dt8	X
	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
337	TIME	O	tm..8	X
	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)			
623	TIME CODE	O	id2	X
	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			

C040	REFERENCE IDENTIFIER	O		X
	Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier			
128	Reference Identification Qualifier	M	id..3	X
	Description: Code qualifying the Reference Identification			
127	Reference Identification	M	an..30	X
	Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
128	Reference Identification Qualifier	O	id..3	X
	Description: Code qualifying the Reference Identification			
127	Reference Identification	O	an..30	X
	Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
128	Reference Identification Qualifier	O	id..3	X
	Description: Code qualifying the Reference Identification			
127	Reference Identification	O	an..30	X
	Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

V1 Vessel Identification

Status: M Usage: M Min/Max: 1/2
Group: N/A

up

Description:

To provide vessel details and voyage number

Example:

```
V1*9256470*OOCL QINGDAO*HK*39W05*HLCU***L~
```

Tag	Element Name	Status	Type	Usage
597	VESSEL CODE	O	id..8	O
	Description: Code identifying vessel **Example:** `9256470`			
182	VESSEL NAME	O	an..28	O
	Description: Name of ship as documented in "Lloyd's Register of Ships" **Example:** `OOCL QINGDAO`			
26	COUNTRY CODE	O	id..3	O
	Description: Code identifying the country **Example:** `HK`			
55	FLIGHT/VOYAGE NUMBER	O	an..10	O
	Description: Identifying designator for the particular flight or voyage on which the cargo travels **Example:** `39W05`			
140	STANDARD CARRIER ALPHA CODE	O	id..4	O

	Description:
	Standard Carrier Alpha Code
	Note:
	`Scac Code`
	Example:
	`HLCU`			

249	VESSEL REQUIREMENT CODE	O	id1	X
	Description: Code specifying options for satisfying vessel requirements			
854	VESSEL TYPE CODE	O	id2	X
	Description: Code to determine type of vessel			
897	VESSEL CODE QUALIFIER	O	id1	O

	Description: Code specifying vessel code source **Note:** `L .. Lloyd's Register of Shipping`			
91	TRANSPORTATION METHOD/TYPE CODE	O	id..2	X
	Description: Code specifying the method or type of transportation for the shipment			

C3 Currency

Status: O Usage: O Min/Max: 0/1
Group: N/A

up

Description:

To specify the currency being used in the transaction set

Example:

```
C3*USD*0001*USD~
```

Tag	Element Name	Status	Type	Usage
100	CURRENCY CODE	M	id3	M

	Description:
	Code (Standard ISO) for country in whose currency the charges are specified
	Note:
	`Payment currency`
	`Invoice Currency`			

280	EXCHANGE RATE	O	r..10	O
	Description: Value to be used as a multiplier conversion factor to convert monetary value from one currency to another **Note:** `Exchange Rate`			
100	CURRENCY CODE [0..2]	O	id3	O

	Description:
	Code (Standard ISO) for country in whose currency the charges are specified
	Note:
	`Rate currency`
	`Invoice Currency`			

Y2 Container Details

Status: O Usage: O Min/Max: 0/10
Group: N/A

up

Description:

To specify container information and transportation service to be used

Example:

```
Y2*1**PD*22GP~
```

Tag	Element Name	Status	Type	Usage
95	NUMBER OF CONTAINERS	M	n0..4	M
	Description: Number of shipping containers **Note:** `Number of containers`			
78	CONTAINER TYPE REQUEST CODE	O	id1	X
	Description: Code indicating type of container equipment requested			
56	TYPE OF SERVICE CODE	O	id2	O
	Description: Code specifying extent of transportation service requested			
24	EQUIPMENT TYPE	M	id4	M
	Description: Code identifying equipment type **Note:** `Container Type`			
91	TRANSPORTATION METHOD/TYPE CODE	O	id..2	O
	Description: Code specifying the method or type of transportation for the shipment **Note:** `O ... Containerized Ocean`			
177	INTERMODAL SERVICE CODE	O	id..2	X
	Description: Code identifying the Intermodal Service Plan			
140	STANDARD CARRIER ALPHA CODE	O	id..4	X
	Description: Standard Carrier Alpha Code			
464	CONTAINER TERMS CODE	O	id3	X
	Description: Code indicating origin and destination of transportation and type of container			
465	CONTAINER TERMS CODE QUALIFIER	O	id1	X
	Description: Code indicating container terms reference			
466	TOTAL STOP-OFFS	O	n0..2	X
	Description: Total number of stop-offs specified for a shipment			

N1 Name

Status: M Usage: M Min/Max: 1/1
Group: LoopN1

up

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

Tag	Element Name	Status	Type	Usage
98	ENTITY IDENTIFIER CODE	M	id..3	M
	Description: Code identifying an organizational entity, a physical location, property or an individual **Note:** LoopN1 - N1: Party Identification LoopN1 - N2: Additional Name Information LoopN1 - N3: Party Location LoopN1 - N4: Geographic Location CN .. Consignee FW .. Forwarder N1 .. Notify Party no.1 N2 .. Notify Party no.2 SH .. Shipper PR .. Payer			
93	NAME	O	an..60	O
	Description: Free-form name			
66	IDENTIFICATION CODE QUALIFIER	O	id..2	O
	Description: Code designating the system/method of code structure used for Identification Code (67) **Note:** 25 .. Carrier's Customer Code			
67	IDENTIFICATION CODE	O	an..80	O
	Description: Code identifying a party or other code			
706	ENTITY RELATIONSHIP CODE	O	id2	X
	Description: Code describing entity relationship			
98	ENTITY IDENTIFIER CODE	O	id..3	X
	Description: Code identifying an organizational entity, a physical location, property or an individual			

N2 Additional Name Information

Status: O Usage: O Min/Max: 0/1
Group: LoopN1

up

Description:
To specify additional names

Tag	Element Name	Status	Type	Usage
93	NAME [1..2]	M	an..60	M
	Description: Free-form name			

N3 Address Information

Status: O Usage: O Min/Max: 0/2
Group: LoopN1

up

Description:
To specify the location of the named party

Tag	Element Name	Status	Type	Usage
166	ADDRESS INFORMATION [1..2]	M	an..55	M
	Description: Address information			

N4 Geographic Location

Status: O Usage: O Min/Max: 0/1
Group: LoopN1

up

Description:

To specify the geographic place of the named party

Tag	Element Name	Status	Type	Usage
19	CITY NAME	O	an..30	O
	Description: Free-form text for city name			
156	STATE OR PROVINCE CODE	O	id2	O
	Description: Code (Standard State/Province) as defined by appropriate government agency			
116	POSTAL CODE	O	id..15	O
	Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			
26	COUNTRY CODE	O	id..3	O
	Description: Code identifying the country			
309	LOCATION QUALIFIER	O	id..2	X
	Description: Code identifying type of location			
310	LOCATION IDENTIFIER	O	an..30	X
	Description: Code which identifies a specific location			

G61 Contact

Status: O Usage: O Min/Max: 0/3
Group: N/A

up

Description:

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

Example:

```
G61*CN*HAPAGL*TE*#~
```

Tag	Element Name	Status	Type	Usage
366	CONTACT FUNCTION CODE	M	id2	M
	Description: Code identifying the major duty or responsibility of the person or group named			
93	NAME	M	an..60	M
	Description: Free-form name			
365	COMMUNICATION NUMBER QUALIFIER	O	id2	O
	Description: Code identifying the type of communication number			
364	COMMUNICATION NUMBER	O	an..80	O
	Description: Complete communications number including country or area code when applicable			
443	CONTACT INQUIRY REFERENCE	O	an..20	X
	Description: Additional reference number or description to clarify a contact number			

R4 Port or Terminal

Status: M Usage: M Min/Max: 1/1
Group: LoopR4

up

Description:

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

Example:

```
R4*R*UN*CNYTN~
DTM*011*20111130*000000                    the main voyage departure date
DTM*140*20110726~
R4*L*UN*CNYTN~
DTM*140*20110726~
R4*D*UN*USSAV~
DTM*140*20110821~
R4*E*UN*USSAV~
DTM*140*20110821~
```

Tag	Element Name	Status	Type	Usage
115	PORT OR TERMINAL FUNCTION CODE	M	id1	M

	Description:
	Code defining function performed at the port or terminal with respect to a shipment
	Note:
	`R ... for Place of Receipt`
	`L ... for Port of Loading`
	`D ... for Port of Discharge`
	`E ... for Place of Delivery`			

309	LOCATION QUALIFIER	O	id..2	O

	Description:
	Code identifying type of location
	Note:
	`D .. Schedule D code --> X12: Schedule D, Customs District Classification`
	`UN .. United Nations Location Code (UNLOCODE)`
	`K .. Schedule K code --> X12: Schedule K, Classification of Foreign Ports and Geographic Trade Area and Country`			

310	LOCATION IDENTIFIER	O	an..30	O
	Description: Code which identifies a specific location			
114	PORT NAME	O	an..24	O
	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			
26	COUNTRY CODE	O	id..3	O
	Description: Code identifying the country			
174	TERMINAL NAME	O	an..30	X
	Description: Free-form field for terminal name			
113	PIER NUMBER	O	an..4	X
	Description: Identifying number for the pier			
156	STATE OR PROVINCE CODE	O	id2	O
	Description: Code (Standard State/Province) as defined by appropriate government agency			

DTM Date/Time Reference

Status: O Usage: O Min/Max: 0/15
Group: LoopR4

up

Description:

To specify pertinent dates and times

Tag	Element Name	Status	Type	Usage
374	DATE/TIME QUALIFIER	M	id3	M
	Description: Code specifying type of date or time, or both date and time **Note:** 139 .. Estimated 140 .. Actual			
373	DATE	O	dt8	O
	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
337	TIME	O	tm..8	O
	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)			
623	TIME CODE	O	id2	X
	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			
1250	DATE TIME PERIOD FORMAT QUALIFIER	O	id..3	X
	Description: Code indicating the date format, time format, or date and time format			
1251	DATE TIME PERIOD	O	an..35	X
	Description: Expression of a date, a time, or range of dates, times or dates and times			

R2 Route Information

Status: O Usage: O Min/Max: 0/13
Group: N/A

up

Description:

To specify carrier and routing sequences and details

Example:

```
R2*HLCU*O~
```

Tag	Element Name	Status	Type	Usage
140	STANDARD CARRIER ALPHA CODE	M	id..4	M

	Description:
	Standard Carrier Alpha Code
	Note:
	`Scac Code`
	Example:
	`HLCU`			

133	ROUTING SEQUENCE CODE	M	id..2	M
	Description: Code describing the relationship of a carrier to a specific shipment movement **Note:** `O .. Origin Carrier (Ocean)`			
19	CITY NAME	O	an..30	X
	Description: Free-form text for city name			
154	STANDARD POINT LOCATION CODE	O	id..9	X
	Description: Code (Standard Point Location) defined by National Motor Freight Tariff Association (NMFTA) or the Canadian Transportation Agency (CTA) point development group as the official code assigned to a city or point (for ratemaking purposes) within a city			
177	INTERMODAL SERVICE CODE	O	id..2	X
	Description: Code identifying the Intermodal Service Plan			
91	TRANSPORTATION METHOD/TYPE CODE	O	id..2	X
	Description: Code specifying the method or type of transportation for the shipment			
296	INTERMEDIATE SWITCH CARRIER	O	id..4	X
	Description: Code defining a road which neither originates nor terminates the shipment but provides a switching service between two roadhaul rail carriers (SCAC code for rail switch carrier)			
296	INTERMEDIATE SWITCH CARRIER	O	id..4	X
	Description: Code defining a road which neither originates nor terminates the shipment but provides a switching service between two roadhaul rail carriers (SCAC code for rail switch carrier)			
76	INVOICE NUMBER	O	an..22	X
	Description: Identifying number assigned by issuer			
373	DATE	O	dt8	X

	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
369	FREE-FORM DESCRIPTION	O	an..45	X
	Description: Free-form descriptive text			
56	TYPE OF SERVICE CODE	O	id2	X
	Description: Code specifying extent of transportation service requested			
742	ROUTE DESCRIPTION	O	an..35	X
	Description: Point to point routing description			

C8 Certifications and Clauses

Status: O Usage: O Min/Max: 0/1
Group: LoopC8

up

Description:
To specify applicable certifications and clauses

Tag	Element Name	Status	Type	Usage
213	LADING LINE ITEM NUMBER	O	n0..3	X
	Description: Sequential line number for a lading item			
246	CERTIFICATION/CLAUSE CODE	O	id..4	O
	Description: Code identifying certification/clause information **Note:** `17 ... Freight Prepaid  18 ... Freight Collect  24 ... ???`			
247	CERTIFICATION/CLAUSE TEXT	O	an..60	O
	Description: Free-form description of commercial invoice certification/clause **Note:** `Invoice Clauses: Any required text.`			
1302	SHIPPER'S EXPORT DECLARATION REQUIREMENTS	O	an..2	X
	Description: Code identifying which Shipper's Export Declaration (SED) requirements are being met			

LX Assigned Number

Status: M Usage: M Min/Max: 1/1
Group: LoopLX

up

Description:

To reference a line number in a transaction set

Example:

```
LX*1~
```

Tag	Element Name	Status	Type	Usage
554	ASSIGNED NUMBER	M	n0..6	M
	Description: Number assigned for differentiation within a transaction set **Note:** `Sequential number`			

N7 Equipment Details

Status: O Usage: O Min/Max: 0/1
Group: LoopN7

up

Description:

To identify the equipment

Example:

```
N7*HLXU*4243947*4423*G*************K**PD***22GP~
```

Tag	Element Name	Status	Type	Usage
206	EQUIPMENT INITIAL	O	an..4	O

	Description:
	Prefix or alphabetic part of an equipment unit's identifying number
	Note:
	`Equipment initial`
	Example:
	`HLXU`			

207	EQUIPMENT NUMBER	M	an..10	M

	Description:
	Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)
	Note:
	`Equipment Number`
	Example:
	`4243947`			

81	WEIGHT	O	r..10	O
	Description: Numeric value of weight **Note:** `Weight Amount`			
187	WEIGHT QUALIFIER	O	id..2	O
	Description: Code defining the type of weight **Note:** `G .. Gross Weight`			
167	TARE WEIGHT	O	n0..8	X
	Description: Weight of the equipment			
232	WEIGHT ALLOWANCE	O	n0..6	X
	Description: Allowance made for increased weight due to such factors as snow			
205	DUNNAGE	O	n0..6	X
	Description: Weight of material used to protect lading (even bracings, false floors, etc.)			
183	VOLUME	O	r..8	O

	Description: Value of volumetric measure **Note:** `sum of Cargo Volume`			
184	VOLUME UNIT QUALIFIER	O	id1	O
	Description: Code identifying the volume unit			
102	OWNERSHIP CODE	O	id1	X
	Description: Code indicating the relationship of equipment to carrier or ownership of equipment			
40	EQUIPMENT DESCRIPTION CODE	O	id2	X
	Description: Code identifying type of equipment used for shipment			
140	STANDARD CARRIER ALPHA CODE	O	id..4	X
	Description: Standard Carrier Alpha Code			
319	TEMPERATURE CONTROL	O	an..6	X
	Description: Free-form abbreviation of temperature range or flash-point temperature			
219	POSITION	O	an..3	X
	Description: Relative position of shipment in car, trailer, or container (mutually defined)			
567	EQUIPMENT LENGTH	O	n0..5	X
	Description: Length (in feet and inches) of equipment ordered or used to transport shipment (The format is FFFII where FFF is feet and II is inches; the range for II is 00 through 11)			
571	TARE QUALIFIER CODE	O	id1	X
	Description: Code identifying the type of tare			
188	WEIGHT UNIT CODE	O	id1	O
	Description: Code specifying the weight unit **Note:** `K .. Kilogram`			
761	EQUIPMENT NUMBER CHECK DIGIT	O	n01	X
	Description: Number which designates the check digit applied to a piece of equipment			
56	TYPE OF SERVICE CODE	O	id2	O
	Description: Code specifying extent of transportation service requested			
65	HEIGHT	O	r..8	X
	Description: Vertical dimension of an object measured when the object is in the upright position			
189	WIDTH	O	r..8	X
	Description: Shorter measurement of the two horizontal dimensions measured with the object in the upright position			
24	EQUIPMENT TYPE	O	id4	O

	Description: Code identifying equipment type **Note:** `Equipment Type`			
140	STANDARD CARRIER ALPHA CODE	O	id..4	X
	Description: Standard Carrier Alpha Code			
301	CAR TYPE CODE	O	id..4	X
	Description: Code specifying type of rail car or intermodal equipment type and its general characteristics			

QTY Quantity

Status: O Usage: O Min/Max: 0/1
Group: LoopN7

up

Description:
To specify quantity information

Tag	Element Name	Status	Type	Usage
673	QUANTITY QUALIFIER	M	id2	M
	Description: Code specifying the type of quantity **Note:** `'39'= Shipped Quantity`			
380	QUANTITY	O	r..15	O
	Description: Numeric value of quantity			
C001	**COMPOSITE UNIT OF MEASURE**	**O**		**X**
	Description: To identify a composite unit of measure(See Figures Appendix for examples of use)			
355	Unit or Basis for Measurement Code	M	id2	X
	Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
1018	Exponent	O	r..15	X
	Description: Power to which a unit is raised			
649	Multiplier	O	r..10	X
	Description: Value to be used as a multiplier to obtain a new value			
355	Unit or Basis for Measurement Code	O	id2	X
	Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
1018	Exponent	O	r..15	X
	Description: Power to which a unit is raised			
649	Multiplier	O	r..10	X
	Description: Value to be used as a multiplier to obtain a new value			
355	Unit or Basis for Measurement Code	O	id2	X
	Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
1018	Exponent	O	r..15	X
	Description: Power to which a unit is raised			
649	Multiplier	O	r..10	X
	Description: Value to be used as a multiplier to obtain a new value			
355	Unit or Basis for Measurement Code	O	id2	X

	Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
1018	Exponent	O	r..15	X
	Description: Power to which a unit is raised			
649	Multiplier	O	r..10	X
	Description: Value to be used as a multiplier to obtain a new value			
355	Unit or Basis for Measurement Code	O	id2	X
	Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
1018	Exponent	O	r..15	X
	Description: Power to which a unit is raised			
649	Multiplier	O	r..10	X
	Description: Value to be used as a multiplier to obtain a new value			
61	FREE-FORM MESSAGE	O	an..30	X
	Description: Free-form information			

M7 Seal Numbers

Status: O Usage: O Min/Max: 0/5
Group: LoopN7

up

Description:

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

Example:

```
M7*AHL3158126~
```

Tag	Element Name	Status	Type	Usage
225	SEAL NUMBER	M	an..15	M
	Description: Unique number on seal used to close a shipment **Note:** `List of container seal numbers`			
225	SEAL NUMBER	O	an..15	O
	Description: Unique number on seal used to close a shipment			
225	SEAL NUMBER	O	an..15	O
	Description: Unique number on seal used to close a shipment			
225	SEAL NUMBER	O	an..15	O
	Description: Unique number on seal used to close a shipment			
98	ENTITY IDENTIFIER CODE	O	id..3	X
	Description: Code identifying an organizational entity, a physical location, property or an individual			

L1 Rate and Charges

Status: O Usage: O Min/Max: 0/1
Group: LoopL1

up

Description:

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

Example:

```
L1*1*2410*PA*241000**00**COF***E*FREIGHT~
            C3*USD~
            L1*2*160*PA*16000**00**PSS***E*PEAK SEASON SURCH.~
            C3*USD~
            L1*3*302*PA*30200**00**SUR***E*FUEL PARTI. FACTOR~
            C3*USD~
            L1*4*2.02*PA*202**00**AQI***E*QUARANTINE INSPECT~
            C3*USD~
```

Tag	Element Name	Status	Type	Usage
213	LADING LINE ITEM NUMBER	O	n0..3	O
	Description: Sequential line number for a lading item **Note:** `Sequence Number`			
60	FREIGHT RATE	O	r..9	O
	Description: Rate that applies to the specific commodity **Note:** `Freight Rate`			
122	RATE/VALUE QUALIFIER	O	id2	O
	Description: Code qualifying how to extend charges or interpret value **Note:** `PA ... Container based`			
58	CHARGE	O	n2..12	O

	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 **Note:** `concerning the Method of Paymend the Prepaid Amount is filled.`
	`E ... Collect => 0 ... Prepaid Amount`
	`P ... Prepaid => Freight Rate .... Prepaid Amount`			

191	ADVANCES	O	n2..9	X
	Description: Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified			
117	PREPAID AMOUNT	O	n2..9	O
	Description: Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified			
120	RATE COMBINATION POINT CODE	O	an..9	X

	Description: The code denoting the connecting station for a joint rate obtained by combining two or more published rates which are used for the calculation of transportation charges			
150	SPECIAL CHARGE OR ALLOWANCE CODE	O	id3	O

	Description:
	Code identifying type of special charge or allowance
	Note:
	`Charge Code`
	Example:
	`SEA`			

121	RATE CLASS CODE	O	id..3	X
	Description: Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k			
39	ENTITLEMENT CODE	O	id1	X
	Description: Code identifying entitlement party			
16	CHARGE METHOD OF PAYMENT	O	id1	O
	Description: Code defining method of payment			
276	SPECIAL CHARGE DESCRIPTION	O	an..25	O
	Description: Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150 **Note:** `Charge Description`			
257	TARIFF APPLICATION CODE	O	id1	X
	Description: Code indicating to which traffic a tariff applies			
74	DECLARED VALUE	O	n2..12	X
	Description: Monetary assigned value expressed in the standard monetary denomination for the currency specified			
122	RATE/VALUE QUALIFIER	O	id2	X
	Description: Code qualifying how to extend charges or interpret value			
372	LADING LIABILITY CODE	O	id1	X
	Description: Code identifying limits of liability			
220	BILLED/RATED-AS QUANTITY	O	r..11	X
	Description: Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81			
221	BILLED/RATED-AS QUALIFIER	O	id2	X
	Description: Code identifying the type of quantity or value on which the rate or item pricing is based			
954	PERCENT	O	r..10	X

	Description: Percentage expressed as a decimal (e.g., 0.0 through 1.0 represents 0% through 100%)			
100	CURRENCY CODE	O	id3	X
	Description: Code (Standard ISO) for country in whose currency the charges are specified			
610	AMOUNT	O	n2..15	X
	Description: Monetary amount			

C3 Currency

Status: O Usage: O Min/Max: 0/1
Group: LoopL1

up

Description:

To specify the currency being used in the transaction set

Tag	Element Name	Status	Type	Usage
100	CURRENCY CODE	M	id3	M

	Description:
	Code (Standard ISO) for country in whose currency the charges are specified
	Note:
	`Currency Code`
	Example:
	`USD`			

280	EXCHANGE RATE	O	r..10	X
	Description: Value to be used as a multiplier conversion factor to convert monetary value from one currency to another			
100	CURRENCY CODE [0..2]	O	id3	X
	Description: Code (Standard ISO) for country in whose currency the charges are specified			

H1 Hazardous Material

Status: O Usage: O Min/Max: 0/1
Group: LoopH1

up

Description:
To specify information relative to hazardous material

Tag	Element Name	Status	Type	Usage
62	HAZARDOUS MATERIAL CODE	M	an..10	M
	Description: Code relating to hazardous material code qualifier for regulated hazardous materials **Note:** `Dangerous Goods Material Code`			
209	HAZARDOUS MATERIAL CLASS CODE	O	an..4	O
	Description: Code specifying the kind of hazard for a material **Note:** `Dangerous Goods Material Class Code`			
208	HAZARDOUS MATERIAL CODE QUALIFIER	O	id1	O
	Description: Code which qualifies the Hazardous Material Class Code (209) **Note:** `9 ... Dangerous Goods Material Qualifier`			
64	HAZARDOUS MATERIAL DESCRIPTION	O	an..30	O
	Description: Material name, special instructions, and phone number if any **Note:** `Dangerous Goods Material Description`			
63	HAZARDOUS MATERIAL CONTACT	O	an..24	O
	Description: Phone number and name of person or department to contact in case of emergency **Note:** `Dangerous Goods Material Contact`			
200	HAZARDOUS MATERIALS PAGE	O	an..6	X
	Description: The United Nations page number as required for the international transport of hazardous materials			
77	FLASHPOINT TEMPERATURE	O	n..3	O
	Description: The flashpoint temperature for hazardous material **Note:** `Dangerous Goods Flashpoint Temperature`			
355	UNIT OR BASIS FOR MEASUREMENT CODE	O	id2	O

	Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken **Note:** `CE ... Measurement Code`			
254	PACKING GROUP CODE	O	id..3	X
	Description: Code indicating degree of danger in terms of Roman number I, II or III			

L0 Line Item - Quantity and Weight

Status: O Usage: O Min/Max: 0/1
Group: LoopL0

up

Description:

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

Tag	Element Name	Status	Type	Usage
213	LADING LINE ITEM NUMBER	O	n0..3	O
	Description: Sequential line number for a lading item			
220	BILLED/RATED-AS QUANTITY	O	r..11	X
	Description: Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81			
221	BILLED/RATED-AS QUALIFIER	O	id2	X
	Description: Code identifying the type of quantity or value on which the rate or item pricing is based			
81	WEIGHT	O	r..10	O
	Description: Numeric value of weight			
187	WEIGHT QUALIFIER	O	id..2	O
	Description: Code defining the type of weight **Note:** `Gross weight`			
183	VOLUME	O	r..8	O
	Description: Value of volumetric measure			
184	VOLUME UNIT QUALIFIER	O	id1	O
	Description: Code identifying the volume unit			
80	LADING QUANTITY	O	n0..7	O
	Description: Number of units (pieces) of the lading commodity			
211	PACKAGING FORM CODE	O	id3	O
	Description: Code for packaging form of the lading quantity **Example:** `PCS .. Pieces`			
458	DUNNAGE DESCRIPTION	O	an..25	X
	Description: Material used to protect lading			
188	WEIGHT UNIT CODE	O	id1	O
	Description: Code specifying the weight unit			
56	TYPE OF SERVICE CODE	O	id2	O

	Description: Code specifying extent of transportation service requested			
380	QUANTITY	O	r..15	X
	Description: Numeric value of quantity			
211	PACKAGING FORM CODE	O	id3	X
	Description: Code for packaging form of the lading quantity			
1073	YES/NO CONDITION OR RESPONSE CODE	O	id1	X
	Description: Code indicating a Yes or No condition or response			

L5 Description, Marks and Numbers

Status: O Usage: O Min/Max: 0/999
Group: LoopL0

up

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

Tag	Element Name	Status	Type	Usage
213	LADING LINE ITEM NUMBER	O	n0..3	O
	Description: Sequential line number for a lading item			
79	LADING DESCRIPTION	O	an..50	O
	Description: Description of an item as required for rating and billing purposes			
22	COMMODITY CODE	O	an..30	O
	Description: Code describing a commodity or group of commodities			
23	COMMODITY CODE QUALIFIER	O	id1	O
	Description: Code identifying the commodity coding system used for Commodity Code			
103	PACKAGING CODE	O	an..5	X
	Description: Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required			
87	MARKS AND NUMBERS	O	an..48	O
	Description: Marks and numbers used to identify a shipment or parts of a shipment			
88	MARKS AND NUMBERS QUALIFIER	O	id..2	O
	Description: Code specifying the application or source of Marks and Numbers (87)			
23	COMMODITY CODE QUALIFIER	O	id1	X
	Description: Code identifying the commodity coding system used for Commodity Code			
22	COMMODITY CODE	O	an..30	X
	Description: Code describing a commodity or group of commodities			
595	COMPARTMENT ID CODE	O	id1	X
	Description: Code identifying the compartment in a compartmentalized tank car			

L1 Rate and Charges

Status: O Usage: O Min/Max: 0/1
Group: LoopL1

up

Description:

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

Example:

```
L1*1*2410*PP*241000**00**COF***E*FREIGHT~
        C3*USD~
        L1*2*160*PP*16000**00**PSS***E*PEAK SEASON SURCH.~
        C3*USD~
        L1*3*302*PP*30200**00**SUR***E*FUEL PARTI. FACTOR~
        C3*USD~
        L1*4*2.02*PP*202**00**AQI***E*QUARANTINE INSPECT~
        C3*USD~
```

Tag	Element Name	Status	Type	Usage
213	LADING LINE ITEM NUMBER	O	n0..3	O
	Description: Sequential line number for a lading item			
60	FREIGHT RATE	O	r..9	O
	Description: Rate that applies to the specific commodity			
122	RATE/VALUE QUALIFIER	O	id2	O
	Description: Code qualifying how to extend charges or interpret value **Note:** `Cargo Item Based based`			
58	CHARGE	O	n2..12	O

	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
	Note:
	`concerning the Method of Paymend the Prepaid Amount is filled.`
	`E ... Collect => 0 ... Prepaid Amount`
	`P ... Prepaid => Freight Rate .... Prepaid Amount`			

191	ADVANCES	O	n2..9	X
	Description: Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified			
117	PREPAID AMOUNT	O	n2..9	O
	Description: Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified			
120	RATE COMBINATION POINT CODE	O	an..9	X
	Description: The code denoting the connecting station for a joint rate obtained by combining two or more published rates which are used for the calculation of transportation charges			
150	SPECIAL CHARGE OR ALLOWANCE CODE	O	id3	O

	Description:
	Code identifying type of special charge or allowance
	Note:
	`Charge Code`
	Example:
	`SEA`			

121	RATE CLASS CODE	O	id..3	X
	Description: Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k			
39	ENTITLEMENT CODE	O	id1	X
	Description: Code identifying entitlement party			
16	CHARGE METHOD OF PAYMENT	O	id1	O
	Description: Code defining method of payment			
276	SPECIAL CHARGE DESCRIPTION	O	an..25	O
	Description: Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150 **Note:** `Charge Description`			
257	TARIFF APPLICATION CODE	O	id1	X
	Description: Code indicating to which traffic a tariff applies			
74	DECLARED VALUE	O	n2..12	X
	Description: Monetary assigned value expressed in the standard monetary denomination for the currency specified			
122	RATE/VALUE QUALIFIER	O	id2	X
	Description: Code qualifying how to extend charges or interpret value			
372	LADING LIABILITY CODE	O	id1	X
	Description: Code identifying limits of liability			
220	BILLED/RATED-AS QUANTITY	O	r..11	X
	Description: Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81			
221	BILLED/RATED-AS QUALIFIER	O	id2	X
	Description: Code identifying the type of quantity or value on which the rate or item pricing is based			
954	PERCENT	O	r..10	X
	Description: Percentage expressed as a decimal (e.g., 0.0 through 1.0 represents 0% through 100%)			
100	CURRENCY CODE	O	id3	X
	Description: Code (Standard ISO) for country in whose currency the charges are specified			

610	AMOUNT	O	n2..15	X

Description:
Monetary amount

C3 Currency

Status: O Usage: O Min/Max: 0/1
Group: LoopL1

up

Description:

To specify the currency being used in the transaction set

Tag	Element Name	Status	Type	Usage
100	CURRENCY CODE	M	id3	M

	Description:
	Code (Standard ISO) for country in whose currency the charges are specified
	Note:
	`Currency Code`
	Example:
	`USD`			

280	EXCHANGE RATE	O	r..10	X
	Description: Value to be used as a multiplier conversion factor to convert monetary value from one currency to another			
100	CURRENCY CODE [0..2]	O	id3	X
	Description: Code (Standard ISO) for country in whose currency the charges are specified			

H1 Hazardous Material

Status: O Usage: O Min/Max: 0/1
Group: LoopH1

up

Description:
To specify information relative to hazardous material

Tag	Element Name	Status	Type	Usage
62	HAZARDOUS MATERIAL CODE	M	an..10	M
	Description: Code relating to hazardous material code qualifier for regulated hazardous materials **Note:** `Dangerous Goods Material Code`			
209	HAZARDOUS MATERIAL CLASS CODE	O	an..4	O
	Description: Code specifying the kind of hazard for a material **Note:** `Dangerous Goods Material Class Code`			
208	HAZARDOUS MATERIAL CODE QUALIFIER	O	id1	X
	Description: Code which qualifies the Hazardous Material Class Code (209)			
64	HAZARDOUS MATERIAL DESCRIPTION	O	an..30	X
	Description: Material name, special instructions, and phone number if any			
63	HAZARDOUS MATERIAL CONTACT	O	an..24	O
	Description: Phone number and name of person or department to contact in case of emergency **Note:** `Dangerous Goods Material Contact`			
200	HAZARDOUS MATERIALS PAGE	O	an..6	X
	Description: The United Nations page number as required for the international transport of hazardous materials			
77	FLASHPOINT TEMPERATURE	O	n..3	O
	Description: The flashpoint temperature for hazardous material **Note:** `Dangerous Goods Flashpoint Temperature`			
355	UNIT OR BASIS FOR MEASUREMENT CODE	O	id2	O
	Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken **Note:** `CE ... Measurement Code`			
254	PACKING GROUP CODE	O	id..3	O

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

```
Packing Group Code
```

L3 Total Weight and Charges

Status: M Usage: M Min/Max: 1/1
Group: LoopH1

up

Description:

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

Example:

```
L3*2033*G***287402****22.47*X*107*K~
```

Tag	Element Name	Status	Type	Usage
81	WEIGHT	O	r..10	O
	Description: Numeric value of weight			
187	WEIGHT QUALIFIER	O	id..2	O
	Description: Code defining the type of weight **Note:** `G .. Total gross weight`			
60	FREIGHT RATE	O	r..9	X
	Description: Rate that applies to the specific commodity			
122	RATE/VALUE QUALIFIER	O	id2	X
	Description: Code qualifying how to extend charges or interpret value			
58	CHARGE	O	n2..12	O
	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			
191	ADVANCES	O	n2..9	X
	Description: Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified			
117	PREPAID AMOUNT	O	n2..9	O
	Description: Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified			
150	SPECIAL CHARGE OR ALLOWANCE CODE	O	id3	X
	Description: Code identifying type of special charge or allowance			
183	VOLUME	O	r..8	O
	Description: Value of volumetric measure			
184	VOLUME UNIT QUALIFIER	O	id1	O
	Description: Code identifying the volume unit **Note:** `X .. Cubic metres`			

80	LADING QUANTITY	O	n0..7	O
	Description: Number of units (pieces) of the lading commodity			
188	WEIGHT UNIT CODE	O	id1	O
	Description: Code specifying the weight unit **Note:** `K .. Kilogram`			
171	TARIFF NUMBER	O	an..7	X
	Description: Standard tariff number for the tariff which governs the rates applied to the commodity item(s)			
74	DECLARED VALUE	O	n2..12	X
	Description: Monetary assigned value expressed in the standard monetary denomination for the currency specified			
122	RATE/VALUE QUALIFIER	O	id2	X
	Description: Code qualifying how to extend charges or interpret value			

L1 Rate and Charges

Status: O Usage: O Min/Max: 0/1
Group: LoopL1

up

Description:

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

Example:

```
L1*1*2410**241000**00**COF***E*FREIGHT~
C3*USD~
L1*2*160**16000**00**PSS***E*PEAK SEASON SURCH.~
C3*USD~
L1*3*302**30200**00**SUR***E*FUEL PARTI. FACTOR~
C3*USD~
L1*4*2.02**00**00**A0***E*QUARANTINE INSPECT~
C3*USD~
```

Tag	Element Name	Status	Type	Usage
213	LADING LINE ITEM NUMBER	O	n0..3	O
	Description: Sequential line number for a lading item			
60	FREIGHT RATE	O	r..9	O
	Description: Rate that applies to the specific commodity			
122	RATE/VALUE QUALIFIER	O	id2	O
	Description: Code qualifying how to extend charges or interpret value			
58	CHARGE	O	n2..12	O

	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
	Note:
	`concerning the Method of Paymend the Prepaid Amount is filled.`
	`E ... Collect => 0 ... Prepaid Amount`
	`P ... Prepaid => Freight Rate .... Prepaid Amount`			

191	ADVANCES	O	n2..9	X
	Description: Incidental charges occurring during transportation which are not generally considered to be freight charges (examples - stop charges, diversion and reconsignment, icing) expressed in the standard monetary denomination for the currency specified			
117	PREPAID AMOUNT	O	n2..9	O
	Description: Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified			
120	RATE COMBINATION POINT CODE	O	an..9	X
	Description: The code denoting the connecting station for a joint rate obtained by combining two or more published rates which are used for the calculation of transportation charges			
150	SPECIAL CHARGE OR ALLOWANCE CODE	O	id3	O

	Description:
	Code identifying type of special charge or allowance
	Note:
	`Charge Code`
	Example:
	`SEA`			

121	RATE CLASS CODE	O	id..3	X
	Description: Code identifying specifically designated class of goods; Note: For international air shipments, see IATA Resolution 600k			
39	ENTITLEMENT CODE	O	id1	X
	Description: Code identifying entitlement party			
16	CHARGE METHOD OF PAYMENT	O	id1	O
	Description: Code defining method of payment			
276	SPECIAL CHARGE DESCRIPTION	O	an..25	O
	Description: Identification of special charge; this data element is used whenever an applicable code cannot be found in data element 150 **Note:** `Charge Description`			
257	TARIFF APPLICATION CODE	O	id1	X
	Description: Code indicating to which traffic a tariff applies			
74	DECLARED VALUE	O	n2..12	X
	Description: Monetary assigned value expressed in the standard monetary denomination for the currency specified			
122	RATE/VALUE QUALIFIER	O	id2	X
	Description: Code qualifying how to extend charges or interpret value			
372	LADING LIABILITY CODE	O	id1	X
	Description: Code identifying limits of liability			
220	BILLED/RATED-AS QUANTITY	O	r..11	X
	Description: Basis for rating (miles, value, volume, etc.); Note: Weight may be defined by either data element 220 or 81			
221	BILLED/RATED-AS QUALIFIER	O	id2	X
	Description: Code identifying the type of quantity or value on which the rate or item pricing is based			
954	PERCENT	O	r..10	X
	Description: Percentage expressed as a decimal (e.g., 0.0 through 1.0 represents 0% through 100%)			
100	CURRENCY CODE	O	id3	X
	Description: Code (Standard ISO) for country in whose currency the charges are specified			

610	AMOUNT	O	n2..15	X

Description:
Monetary amount

C3 Currency

Status: O Usage: O Min/Max: 0/1
Group: LoopL1

up

Description:

To specify the currency being used in the transaction set

Tag	Element Name	Status	Type	Usage
100	CURRENCY CODE	M	id3	M

	Description:
	Code (Standard ISO) for country in whose currency the charges are specified
	Note:
	`Currency Code`
	Example:
	`USD`			

280	EXCHANGE RATE	O	r..10	X
	Description: Value to be used as a multiplier conversion factor to convert monetary value from one currency to another			
100	CURRENCY CODE [0..2]	O	id3	X
	Description: Code (Standard ISO) for country in whose currency the charges are specified			

SE Transaction Set Trailer

Status: M Usage: M Min/Max: 1/1
Group: N/A

up

Description:

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Example:

```
SE*1*0001
```

Tag	Element Name	Status	Type	Usage
96	NUMBER OF INCLUDED SEGMENTS	M	n0..10	M
	Description: Total number of segments included in a transaction set including ST and SE segments **Example:** `1`			
329	TRANSACTION SET CONTROL NUMBER	M	an..9	M
	Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set **Example:** `1`			

GE Functional Group Trailer

Status: O Usage: O Min/Max: 0/1
Group: N/A

up

Description:

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

Example:

```
GE*1*1
```

Tag	Element Name	Status	Type	Usage
97	NUMBER OF TRANSACTION SETS INCLUDED	M	n0..6	M
	Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element **Example:** `1`			
28	GROUP CONTROL NUMBER	M	n0..9	M
	Description: Assigned number originated and maintained by the sender **Example:** `1`			

IEA Interchange Control Trailer

Status: M Usage: M Min/Max: 1/1
Group: N/A

up

Description:

To define the end of an interchange of zero or more functional groups and interchange-related control segments

Example:

```
IEA*1*000000001~
Example:

ISA



*01*HLCU *ZZ*CustID *110928*1624*U*00401*000000001*0*T*>~
GS*IO*HLCU*CustID*20110928*162432*1*X*004010~
ST*310*11111111~
B3*B*Inv#*BL#*CC**20110928*287402**20111010*139*HLCU*20110928*PD~
B2A*00*BL~
Y6*CA*HLXU*11110928~
N9*BN*BN#*BOOKING NUMBER~
N9*BM*BL#*BILL OF LADING NUMBER~
N9*IK*INV#*INVOICE NUMBER~
N9*SI*CUS#*YOUR REF~
V1*9294989*SAVANNAH EXPRESS*DE*41E37*HLCU***L~
C3*USD*0001*USD~
Y2*1**PD*22GP~
N1*N1*Name*25*00087849~
N3*WAY~
N4*CARSON*CA*Post Code*US~
G61*CN*HAPAGL*TE*#~
DTM*011*20111130*000000~                    the main voyage departure date
R4*R*K*57035*SHANGHAI*CN~
DTM*140*20110917*233000~
R4*L*K*57035*SHANGHAI*CN~
DTM*140*20110917*233000~
R4*D*K*12493*VANCOUVER*CA***BC~
DTM*139*20111003*163000~
R4*E*D*3901*ROMEOVILLE*US***IL~
DTM*139*20111010*000000~
R2*HLCU*O~
C8**24*Description~
LX*1~
N7*Ctr#*4423*G************K**PD***22GP~
M7*AHL3158126~
L1*1*2410*PA*241000**00**COF***E*FREIGHT~
C3*USD~
L1*2*160*PA*16000**00**PSS***E*PEAK SEASON SURCH.~
C3*USD~
L1*3*302*PA*30200**00**SUR***E*FUEL PARTI. FACTOR~
C3*USD~
L1*4*2.02*PA*202**00**AQI***E*QUARANTINE INSPECT~
C3*USD~
L3*2033*G***287402****22.47*X*107*K~
L1*1*2410**241000**00**COF***E*FREIGHT~
C3*USD~
L1*2*160**16000**00**PSS***E*PEAK SEASON SURCH.~
C3*USD~
L1*3*302**30200**00**SUR***E*FUEL PARTI. FACTOR~
C3*USD~
L1*4*2.02**00**00**A0***E*QUARANTINE INSPECT~
C3*USD~
SE*1*0001~
GE*1*1~
IEA*1*000000001~
```

Tag	Element Name	Status	Type	Usage
I16	NUMBER OF INCLUDED FUNCTIONAL GROUPS	M	n0..5	M

	Description: A count of the number of functional groups included in an interchange **Example:** 1			
I12	INTERCHANGE CONTROL NUMBER	M	n09	M
	Description: A control number assigned by the interchange sender **Example:** 1			