ANSI 312 5030

HAPAG-LLOYD STANDARD

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Table of Contents

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
Y6	Authentication	O	2	X
Q3	Arrival Details	M	1	M
C3	Currency Identifier	O	1	X
G1	Shipment Type Information	O	1	X
G2	Beyond Routing	O	1	X
R2	Route Information	O	13	X
N9	Extended Reference Information	O	15	O
V1	Vessel Identification	M	2	M
LoopN1		**M**	**10**	**M**
N1	Party Identification	M	1	M
N2	Additional Name Information	O	1	O
N3	Party Location	O	2	O
N4	Geographic Location	O	1	O
LoopR4		**M**	**20**	**M**
R4	Port or Terminal	M	1	M
DTM	Date/Time Reference	O	15	O
H3	Special Handling Instructions	O	6	X
L5	Description, Marks and Numbers	O	1	X

LoopLX		M	999	M
LX	Transaction Set Line Number	M	1	M
LoopN7		**O**	**999**	**O**
N7	Equipment Details	O	1	O
QTY	Quantity Information	O	1	X
N12	Equipment Environment	O	1	X
M7	Seal Numbers	O	5	O
W09	Equipment and Temperature	O	1	X
L4	Measurement	O	1	X
LoopH1		**O**	**2**	**X**
H1	Hazardous Material	O	1	X
H2	Additional Hazardous Material Description	O	10	X
LoopLH1		**O**	**100**	**X**
LH1	Hazardous Identification Information	O	1	X
LH2	Hazardous Classification Information	O	4	X
LH3	Hazardous Material Shipping Name Information	O	10	X
LFH	Free-form Hazardous Material Information	O	25	X
LEP	EPA Required Data	O	3	X
LH4	Canadian Dangerous Requirements	O	1	X
LHT	Transborder Hazardous Requirements	O	3	X
LHR	Hazardous Material Identifying Reference Numbers	O	5	X
PER	Administrative Communications Contact	O	5	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**	**X**
L1	Rate and Charges	O	1	X
C3	Currency Identifier	O	1	X
L7	Tariff Reference	O	1	X
LoopH1		**O**	**2**	**X**
H1	Hazardous Material	O	1	X
H2	Additional Hazardous Material Description	O	10	X
LoopLH1		**O**	**100**	**X**
LH1	Hazardous Identification Information	O	1	X
LH2	Hazardous Classification Information	O	4	X
LH3	Hazardous Material Shipping Name Information	O	10	X
LFH	Free-form Hazardous Material Information	O	25	X
LEP	EPA Required Data	O	3	X
LH4	Canadian Dangerous Requirements	O	1	X
LHT	Transborder Hazardous Requirements	O	3	X
LHR	Hazardous Material Identifying Reference Numbers	O	5	X
PER	Administrative Communications Contact	O	5	X
V9	Event Detail	O	10	X
L3	Total Weight and Charges	M	1	M
LoopL1		**O**	**20**	**X**
L1	Rate and Charges	O	1	X
C3	Currency Identifier	O	1	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*00*0*00*0*ZZ*HLCU *ZZ*RECEIVER ORG ID*190116*0946*+*00503*000000001*0*2*^~
```

Tag	Element Name	Status	Type	Usage
I01	AUTHORIZATION INFORMATION QUALIFIER	M	id2	M
	Description: Code identifying the type of information in the Authorization Information **Note:** **Value(s):** Not in use.			
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 **Note:** **Value(s):** Not in use.			
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) **Note:** **Value(s):** Not in use.			
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:** **Value(s):** ZZ Mutually defined 08 UCC EDI Communications ID (Comm ID)			
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 **Note:** **Value(s):** HLCU Hapag-Lloyd AG			

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:

Value(s):

```
ZZ      Mutually defined
08      UCC EDI Communications ID (Comm ID)
```

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

Note:

Value(s):

```
RECEIVER ORG ID
```

I08	INTERCHANGE DATE	M	dt6	M

Description:
Date of the interchange

Note:

Value(s):

```
YYMMDD
```

I09	INTERCHANGE TIME	M	tm4	M

Description:
Time of the interchange

Note:

Value(s):

```
HHMM
```

I65	REPETITION SEPARATOR	M	an1	M

Description:
Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator

Note:

Value(s):

```
+
```

I11	INTERCHANGE CONTROL VERSION NUMBER	M	id5	M

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

Note:

Value(s):

```
00503   Derived from version 005030
```

I12	INTERCHANGE CONTROL NUMBER	M	n09	M

Description:
A control number assigned by the interchange sender

Note:

Value(s):

```
System generated
```

I13	ACKNOWLEDGMENT REQUESTED	M	id1	M

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

Value(s):	
0	No acknowledgement requested
1	Acknowledgement requested

I14	INTERCHANGE USAGE INDICATOR	M	id1	M

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

Value(s):	
1	Productive message
2	Test message

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:

Value(s):	
>	

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*RECEIVER ORG ID*20191203*074237*1*X*005030~
```

Tag	Element Name	Status	Type	Usage
479	FUNCTIONAL IDENTIFIER CODE	M	id2	M
	Description: Code identifying a group of application related transaction sets **Note:** **Value(s):** IO Ocean Shipment Billing Details			
142	APPLICATION SENDER'S CODE	M	an..15	M
	Description: Code identifying party sending transmission; codes agreed to by trading partners **Note:** **Value(s):** HLCU Hapag-Lloyd AG			
124	APPLICATION RECEIVER'S CODE	M	an..15	M
	Description: Code identifying party receiving transmission; codes agreed to by trading partners **Note:** **Value(s):** RECEIVER ORG ID			
373	DATE	M	dt8	M
	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year **Note:** Format CCYYMMDD			
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) **Note:** Format HHMMSS. UTC (GMT) Time. The twenty-four hour clock system is used to express time.			
28	GROUP CONTROL NUMBER	M	n0..9	M
	Description: Assigned number originated and maintained by the sender **Note:** **Value(s):** System generated			
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:

Value(s):

X	Accredited Standards Committ. X12

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:

Value(s):

005030	Version and Release Code.

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*312*0001~
```

Tag	Element Name	Status	Type	Usage
143	TRANSACTION SET IDENTIFIER CODE	M	id3	M
	Description: Code uniquely identifying a Transaction Set **Note:** **Value(s):** 312 Arrival Notice.			
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 **Note:** **Value(s):** System generated			
1705	IMPLEMENTATION CONVENTION REFERENCE	O	an..35	X
	Description: Reference assigned to identify Implementation Convention **Note:** **Value(s):** Not in use.			

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

Note:

```
Difference to the standard. Not in use.
```

Example:

```
B3**99**XX**20191203*9900****XX~
```

Tag	Element Name	Status	Type	Usage
147	SHIPMENT QUALIFIER	O	id1	X
	Description: Code defining relationship of this shipment with respect to other shipments given to the carrier at the same time **Note:** **Value(s):** Not in use.			
76	INVOICE NUMBER	M	an..22	M
	Description: Identifying number assigned by issuer **Note:** **Value(s):** Difference to the standard. Not in use.			
145	SHIPMENT IDENTIFICATION NUMBER	O	an..30	X
	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:** **Value(s):** Not in use.			
146	SHIPMENT METHOD OF PAYMENT	M	id2	M
	Description: Code identifying payment terms for transportation charges **Note:** **Value(s):** Difference to the standard. Not in use.			
188	WEIGHT UNIT CODE	O	id1	X
	Description: Code specifying the weight unit **Note:** **Value(s):** Not in use.			
373	DATE	M	dt8	M
	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year **Note:** **Value(s):** Difference to the standard. Not in use.			

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:

Value(s):
Difference to the standard. Not in use.

202	CORRECTION INDICATOR	O	id2	X

Description:
Code used to indicate that the transaction set contains information which corrects previous information

Note:

Value(s):
Not in use.

32	DELIVERY DATE	O	dt8	X

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:

Value(s):
Not in use.

374	DATE/TIME QUALIFIER	O	id3	X

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

Note:

Value(s):
Not in use.

140	STANDARD CARRIER ALPHA CODE	M	id..4	M

Description:
Standard Carrier Alpha Code

Note:

Value(s):
Difference to the standard. Not in use.

373	DATE	O	dt8	X

Description:
Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

Note:

Value(s):
Not in use.

375	TARIFF SERVICE CODE	O	id2	X

Description:
Code specifying the types of services for rating purposes

Note:

Value(s):
Not in use.

335	TRANSPORTATION TERMS CODE	O	id3	X

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

Note:

Value(s):
Not in use.

Q3 Arrival Details

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

up

Description:

To specify estimated arrival date and shipment method of payment

Note:

```
Difference to the standard. Not in use.
```

Example:

```
Q3*20191203*XX~
```

Tag	Element Name	Status	Type	Usage
373	DATE	M	dt8	M
	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year **Note:** **Value(s):** Difference to the standard. Not in use.			
146	SHIPMENT METHOD OF PAYMENT	M	id2	M
	Description: Code identifying payment terms for transportation charges **Note:** **Value(s):** Difference to the standard. Not in use.			

N9 Extended Reference Information

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*SH*HL76548~
```

Tag	Element Name	Status	Type	Usage
128	REFERENCE IDENTIFICATION QUALIFIER	M	id..3	M
	Description: Code qualifying the Reference Identification **Note:** **Value(s):** SH Reference belongs to party Shipper CN Reference belongs to party Consignee N1 Reference belongs to party Notifier IS Reference belongs to party Issuing Office FW Reference belongs to party Free on Board Forwarder			
127	REFERENCE IDENTIFICATION	O	an..80	O
	Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier **Note:** **Value(s):** Reference value			
369	FREE-FORM DESCRIPTION	O	an..45	X
	Description: Free-form descriptive text **Note:** **Value(s):** Not in use.			
373	DATE	O	dt8	X
	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year **Note:** **Value(s):** Not in use.			
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) **Note:** **Value(s):** Not in use.			
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

Note:

Value(s):
Not in use.

C040	REFERENCE IDENTIFIER	O		X
	Description: To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier **Note:** Not in use.			
128	Reference Identification Qualifier	M	id..3	X
	Description: Code qualifying the Reference Identification			
127	Reference Identification	M	an..80	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..80	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..80	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

Note:

```
Vessel(s):
1st     Main Line Vessel
2nd     Last Ocean Vessel if different from Main Line Vessel.
```

Example:

```
V1*HEHL*HAMBURG EXPRESS*DE*TD2~
V1*SEHL*SHANGHAI EXPRESS*CN*UF5~
```

Tag	Element Name	Status	Type	Usage
597	VESSEL CODE	O	id..8	O
	Description: Code identifying vessel **Note:** **Value(s):** Call sign			
182	VESSEL NAME	O	an..28	O
	Description: Name of ship as documented in "Lloyd's Register of Ships"			
26	COUNTRY CODE	O	id..3	O
	Description: Code identifying the country			
55	FLIGHT/VOYAGE NUMBER	O	an..10	O
	Description: Identifying designator for the particular flight or voyage on which the cargo travels **Note:** **Value(s):** Voyage number			
140	STANDARD CARRIER ALPHA CODE	O	id..4	X
	Description: Standard Carrier Alpha Code **Note:** **Value(s):** Not in use.			
249	VESSEL REQUIREMENT CODE	O	id1	X
	Description: Code specifying options for satisfying vessel requirements **Note:** **Value(s):** Not in use.			
854	VESSEL TYPE CODE	O	id2	X
	Description: Code to determine type of vessel **Note:** **Value(s):** Not in use.			
897	VESSEL CODE QUALIFIER	O	id1	X

Description:
Code specifying vessel code source
Note:
Value(s):
Not in use.

91	TRANSPORTATION METHOD/TYPE CODE	O	id..2	X

Description:
Code specifying the method or type of transportation for the shipment
Note:
Value(s):
Not in use.

N1 Party Identification

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

up

Description:

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

Note:

```
We differentiate between two cases to communicate address informations:
1st: Address information in a 6 lines pattern as printed on the document.
     If the name field "LoopN1:N1:X0093_Name" does not exists then the below pattern will be
     used.

     Line 1: LoopN1:N2:X0093_Name[1]
     Line 2: LoopN1:N2:X0093_Name[2]
     Line 3: LoopN1:N3[1]:X0166_Address_Information[1]
     Line 4: LoopN1:N3[1]:X0166_Address_Information[2]
     Line 5: LoopN1:N3[2]:X0166_Address_Information[1]
     Line 6: LoopN1:N3[2]:X0166_Address_Information[2]

     Example:
     N1*IS~
     N2*HAPAG-LLOYD AG*HAMBURG-AMERIKANISCHE PACKETFAHRT~
     N3*-6150-*POSTFACH 99999~
     N3*BALLINDAMM 25*D-20095 HAMBURG~

2nd: Catalogue address as stored by Hapag-Lloyd for this particulare organisation.
     If the name field "LoopN1:N1:X0093_Name" does exists then the below pattern will be used.

     N1*PARTY TYPE*ORGANISATION NAME 1 ORGANISATION NAME 2*ZZ*ORGANISATION ID SENDER
     N2*ORGANISATION NAME 1*ORGANISATION NAME 2
     N3*STREET 1*STREET 2
     N4*LOCATION NAME**POSTAL CODE*ISO CODE ALPHA**LOCATION CODE*SUBDIVISION_CODE

     Example:
     N1*IS*HAMBURG-AMERIKANISCHE PACKETFAHRT NORDDEUTSCHER LLOYD, HAPAG-LLOYD AG*ZZ*HLCU~
     N2*HAMBURG-AMERIKANISCHE PACKETFAHRT*NORDDEUTSCHER LLOYD, HAPAG-LLOYD AG
     N3*BALLINDAMM 25*ROSENSTRASSE 17~
     N4*HAMBURG**20095*DE**DEHAM*HH~
```

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:

```
Value(s):
SH      Shipper
CN      Consignee
IS      Issuing Office
N1      Notifier 1
N2      Notifier 2
FW      Forwarder
```

93	NAME	O	an..60	O

Description:
Free-form name
Note:

```
Case  Usage
1st   Blank
2nd   ORGANISATION NAME 1 and ORGANISATION NAME 2
```

66	IDENTIFICATION CODE QUALIFIER	O	id..2	O

Description:
Code designating the system/method of code structure used for Identification Code (67)
Note:
Value(s):

ZZ	Mutually defined

67	IDENTIFICATION CODE	O	an..80	O

Description:
Code identifying a party or other code
Note:
Value(s):

HLCU	Hapag-Lloyd AG

706	ENTITY RELATIONSHIP CODE	O	id2	X

Description:
Code describing entity relationship
Note:
Value(s):
Not in use.

98	ENTITY IDENTIFIER CODE	O	id..3	X

Description:
Code identifying an organizational entity, a physical location, property or an individual
Note:
Value(s):
Not in use.

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
Note:

Case	Usage
1st	LINE 1 and LINE 2
2nd	ORGANISATION NAME 1 and ORGANISATION NAME 2

Case	Usage
1st	LINE 3, LINE 4, LINE 5 and LINE 6
2nd	STREET 1 and STREET 2

N3 Party Location

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 **Note:** Case: 1st Usage: Not in use. 2nd Usage: LOCATION NAME			
156	STATE OR PROVINCE CODE	O	id2	X
	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) **Note:** Case: 1st Usage: Not in use. 2nd Usage: POSTAL CODE			
26	COUNTRY CODE	O	id..3	O
	Description: Code identifying the country **Note:** Case: 1st Usage: Not in use. 2nd Usage: COUNTRY CODE			
309	LOCATION QUALIFIER	O	id..2	X
	Description: Code identifying type of location			
310	LOCATION IDENTIFIER	O	an..30	O
	Description: Code which identifies a specific location **Note:** Case: 1st Usage: Not in use. 2nd Usage: LOCATION CODE			
1715	COUNTRY SUBDIVISION CODE	O	id..3	O
	Description: Code identifying the country subdivision **Note:** Case: 1st Usage: Not in use. 2nd Usage: SUBDIVISION CODE			

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*1*****MAHER TERMINAL~
```

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:** **Value(s):** 1 Final Port of Discharge (Operational)			
309	LOCATION QUALIFIER	O	id..2	X
	Description: Code identifying type of location **Note:** **Value(s):** Not in use.			
310	LOCATION IDENTIFIER	O	an..30	X
	Description: Code which identifies a specific location **Note:** **Value(s):** Not in use.			
114	PORT NAME	O	an..24	X
	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 **Note:** **Value(s):** Not in use.			
26	COUNTRY CODE	O	id..3	X
	Description: Code identifying the country **Note:** **Value(s):** Not in use.			
174	TERMINAL NAME	O	an..30	O
	Description: Free-form field for terminal name **Note:** **Value(s):** DISCHARGING PIER TERMINAL			
113	PIER NUMBER	O	an..4	X
	Description: Identifying number for the pier **Note:** **Value(s):** Not in use.			

156	STATE OR PROVINCE CODE	O	id2	X

Description:
Code (Standard State/Province) as defined by appropriate government agency
Note:
Value(s):
Not in use.

DTM Date/Time Reference

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

up

Description:

To specify pertinent dates and times

Example:

```
DTM*096*20190612~
```

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:** **Value(s):** 096 Discharge			
373	DATE	O	dt8	O
	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year **Note:** **Value(s):** ARRIVAL DATE			
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) **Note:** **Value(s):** Not in use.			
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 **Note:** **Value(s):** Not in use.			
1250	DATE TIME PERIOD FORMAT QUALIFIER	O	id..3	X
	Description: Code indicating the date format, time format, or date and time format **Note:** **Value(s):** Not in use.			
1251	DATE TIME PERIOD	O	an..35	X
	Description: Expression of a date, a time, or range of dates, times or dates and times **Note:** **Value(s):** Not in use.			

LX Transaction Set Line 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:** **Value(s):** Serial container number.			

N7 Equipment Details

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

up

Description:

To identify the equipment

Example:

```
N7*HLXU*100027*12250*K**************4****22G1~
```

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:** **Value(s):** Prefix			
207	EQUIPMENT NUMBER	M	an..15	M
	Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) **Note:** **Value(s):** 6 digit pure number part			
81	WEIGHT	O	r..10	O
	Description: Numeric value of weight **Note:** **Value(s):** Gross weight			
187	WEIGHT QUALIFIER	O	id..2	O
	Description: Code defining the type of weight **Note:** **Qualifier:** K KGM L LBS			
167	TARE WEIGHT	O	n0..8	X
	Description: Weight of the equipment **Note:** **Value(s):** Not in use.			
232	WEIGHT ALLOWANCE	O	n0..6	X
	Description: Allowance made for increased weight due to such factors as snow **Note:** **Value(s):** Not in use.			
205	DUNNAGE	O	n0..6	X

	Description: Weight of material used to protect lading (even bracings, false floors, etc.) **Note:** **Value(s):** Not in use.			
183	VOLUME	O	r..8	X
	Description: Value of volumetric measure **Note:** **Value(s):** Not in use.			
184	VOLUME UNIT QUALIFIER	O	id1	X
	Description: Code identifying the volume unit **Note:** **Value(s):** Not in use.			
102	OWNERSHIP CODE	O	id1	X
	Description: Code indicating the relationship of equipment to carrier or ownership of equipment **Note:** **Value(s):** Not in use.			
40	EQUIPMENT DESCRIPTION CODE	O	id2	X
	Description: Code identifying type of equipment used for shipment **Note:** **Value(s):** Not in use.			
140	STANDARD CARRIER ALPHA CODE	O	id..4	X
	Description: Standard Carrier Alpha Code **Note:** **Value(s):** Not in use.			
319	TEMPERATURE CONTROL	O	an..6	X
	Description: Free-form abbreviation of temperature range or flash-point temperature **Note:** **Value(s):** Not in use.			
219	POSITION	O	an..3	X
	Description: Relative position of shipment in car, trailer, or container (mutually defined) **Note:** **Value(s):** Not in use.			
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) **Note:** **Value(s):** Not in use.			

571	TARE QUALIFIER CODE	O	id1	X

Description:
Code identifying the type of tare
Note:
Value(s):
Not in use.

188	WEIGHT UNIT CODE	O	id1	X

Description:
Code specifying the weight unit
Note:
Value(s):
Not in use.

761	EQUIPMENT NUMBER CHECK DIGIT	O	n01	O

Description:
Number which designates the check digit applied to a piece of equipment
Note:
Value(s):
Check flag

56	TYPE OF SERVICE CODE	O	id2	X

Description:
Code specifying extent of transportation service requested
Note:
Value(s):
Not in use.

65	HEIGHT	O	r..8	X

Description:
Vertical dimension of an object measured when the object is in the upright position
Note:
Value(s):
Not in use.

189	WIDTH	O	r..8	X

Description:
Shorter measurement of the two horizontal dimensions measured with the object in the upright position
Note:
Value(s):
Not in use.

24	EQUIPMENT TYPE	O	id4	O

Description:
Code identifying equipment type
Note:
Value(s):
ISO Type Group or ISO Size Type

140	STANDARD CARRIER ALPHA CODE	O	id..4	X

Description:
Standard Carrier Alpha Code
Note:
Value(s):
Not in use.

301	CAR TYPE CODE	O	id..4	X

Description:
Code specifying type of rail car or intermodal equipment type and its general characteristics
Note:
Value(s):
Not in use.

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*121212*22222*321212*42222~
```

Tag	Element Name	Status	Type	Usage
225	SEAL NUMBER	M	an..15	M
	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			
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 **Note:** **Value(s):** Not in use.			

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

Example:

```
L0*1*******100*BX~
```

Tag	Element Name	Status	Type	Usage
213	LADING LINE ITEM NUMBER	O	n0..3	O
	Description: Sequential line number for a lading item **Note:** **Value(s):** Relative item number of this package.			
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 **Note:** **Value(s):** Not in use.			
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 **Note:** **Value(s):** Not in use.			
81	WEIGHT	O	r..10	X
	Description: Numeric value of weight **Note:** **Value(s):** Not in use.			
187	WEIGHT QUALIFIER	O	id..2	X
	Description: Code defining the type of weight **Note:** **Value(s):** Not in use.			
183	VOLUME	O	r..8	X
	Description: Value of volumetric measure **Note:** **Value(s):** Not in use.			
184	VOLUME UNIT QUALIFIER	O	id1	X

	Description: Code identifying the volume unit **Note:** **Value(s):** Not in use.			
80	LADING QUANTITY	O	n0..7	O
	Description: Number of units (pieces) of the lading commodity **Note:** **Value(s):** Outer (Transport-) packing quantity.			
211	PACKAGING FORM CODE	O	id3	O
	Description: Code for packaging form of the lading quantity **Note:** **Value(s):** UN packing code.			
458	DUNNAGE DESCRIPTION	O	an..25	X
	Description: Material used to protect lading **Note:** **Value(s):** Not in use.			
188	WEIGHT UNIT CODE	O	id1	X
	Description: Code specifying the weight unit **Note:** **Value(s):** Not in use.			
56	TYPE OF SERVICE CODE	O	id2	X
	Description: Code specifying extent of transportation service requested **Note:** **Value(s):** Not in use.			
380	QUANTITY	O	r..15	X
	Description: Numeric value of quantity **Note:** **Value(s):** Not in use.			
211	PACKAGING FORM CODE	O	id3	X
	Description: Code for packaging form of the lading quantity **Note:** **Value(s):** Not in use.			
1073	YES/NO CONDITION OR RESPONSE CODE	O	id1	X
	Description: Code indicating a Yes or No condition or response **Note:** **Value(s):** Not in use.			

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

Example:

```
L5*1*WOOD*3805000000~
```

Tag	Element Name	Status	Type	Usage
213	LADING LINE ITEM NUMBER	O	n0..3	O
	Description: Sequential line number for a lading item **Note:** **Value(s):** Relative item number of this package.			
79	LADING DESCRIPTION	O	an..50	O
	Description: Description of an item as required for rating and billing purposes **Note:** **Value(s):** Commodity description.			
22	COMMODITY CODE	O	an..30	O
	Description: Code describing a commodity or group of commodities **Note:** **Value(s):** Commodity code.			
23	COMMODITY CODE QUALIFIER	O	id1	X
	Description: Code identifying the commodity coding system used for Commodity Code **Note:** **Value(s):** Not in use.			
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 **Note:** **Value(s):** Not in use.			
87	MARKS AND NUMBERS	O	an..48	X
	Description: Marks and numbers used to identify a shipment or parts of a shipment **Note:** **Value(s):** Not in use.			
88	MARKS AND NUMBERS QUALIFIER	O	id..2	X
	Description: Code specifying the application or source of Marks and Numbers (87) **Note:** **Value(s):** Not in use.			

23	COMMODITY CODE QUALIFIER	O	id1	X

Description:
Code identifying the commodity coding system used for Commodity Code
Note:
Value(s):
Not in use.

22	COMMODITY CODE	O	an..30	X

Description:
Code describing a commodity or group of commodities
Note:
Value(s):
Not in use.

595	COMPARTMENT ID CODE	O	id1	X

Description:
Code identifying the compartment in a compartmentalized tank car
Note:
Value(s):
Not in use.

L3 Total Weight and Charges

Status: M Usage: M Min/Max: 1/1
Group: LoopLH1

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*20000*K*********200~
```

Tag	Element Name	Status	Type	Usage
81	WEIGHT	O	r..10	O
	Description: Numeric value of weight **Note:** **Value(s):** Total gross weight.			
187	WEIGHT QUALIFIER	O	id..2	O
	Description: Code defining the type of weight **Note:** **Qualifier:** K KGM L LBS			
60	FREIGHT RATE	O	r..9	X
	Description: Rate that applies to the specific commodity **Note:** **Value(s):** Not in use.			
122	RATE/VALUE QUALIFIER	O	id2	X
	Description: Code qualifying how to extend charges or interpret value **Note:** **Value(s):** Not in use.			
58	AMOUNT CHARGED	O	n2..15	X
	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:** **Value(s):** Not in use.			
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 **Note:** **Value(s):** Not in use.			
117	PREPAID AMOUNT	O	n2..15	X

	Description: Money paid at point of origin (usually by shipper) expressed in the standard monetary denomination for the currency specified **Note:** **Value(s):** Not in use.			
150	SPECIAL CHARGE OR ALLOWANCE CODE	O	id3	X
	Description: Code identifying type of special charge or allowance **Note:** **Value(s):** Not in use.			
183	VOLUME	O	r..8	X
	Description: Value of volumetric measure **Note:** **Value(s):** Not in use.			
184	VOLUME UNIT QUALIFIER	O	id1	X
	Description: Code identifying the volume unit **Note:** **Value(s):** Not in use.			
80	LADING QUANTITY	O	n0..7	O
	Description: Number of units (pieces) of the lading commodity **Note:** **Value(s):** Total numbers of outer packages.			
188	WEIGHT UNIT CODE	O	id1	X
	Description: Code specifying the weight unit **Note:** **Value(s):** Not in use.			
171	TARIFF NUMBER	O	an..7	X
	Description: Standard tariff number for the tariff which governs the rates applied to the commodity item(s) **Note:** **Value(s):** Not in use.			
74	DECLARED VALUE	O	n2..12	X
	Description: Monetary assigned value expressed in the standard monetary denomination for the currency specified **Note:** **Value(s):** Not in use.			
122	RATE/VALUE QUALIFIER	O	id2	X
	Description: Code qualifying how to extend charges or interpret value **Note:** **Value(s):** Not in use.			

SE Transaction Set Trailer

Status: M Usage: M Min/Max: 1/1
Group: LoopL1

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)

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			
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			

GE Functional Group Trailer

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

up

Description:

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

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			
28	GROUP CONTROL NUMBER	M	n0..9	M
	Description: Assigned number originated and maintained by the sender			

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

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			
I12	INTERCHANGE CONTROL NUMBER	M	n09	M
	Description: A control number assigned by the interchange sender			