301 4010

EDI User Manual

Version: 1.4

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Trading Partner: all
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Table of Contents

Functional Definition

Revision History

Date	Version	Description
2011-08-30	1.0	Document created
2016-04-12	1.1	VGM CutOff date/time added LoopR4:DTM New qualifier "649"
2016-11-22	1.2	Canada Customs LoopR4:R4 port- and sub-location added
2020-06-09	1.3	N9*BS Original booking number added

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	M
ST	Transaction Set Header	M	1	M
B1	Beginning Segment for Booking or Pick-up/Delivery	M	1	M
G61	Contact	O	3	O
Y6	Authentication	O	2	X
Y3	Space Confirmation	M	1	M
LoopY4		**O**	**10**	**O**
Y4	Container Release	O	1	M
W09	Equipment and Temperature	O	1	O
N9	Reference Identification	O	100	M
R2A	Route Information with Preference	O	25	X
LoopN1		**O**	**4**	**M**
N1	Name	O	1	M
N2	Additional Name Information	O	1	X
N3	Address Information	O	2	M
N4	Geographic Location	O	1	X
G61	Contact	O	3	X
LoopR4		**M**	**20**	**M**
R4	Port or Terminal	M	1	M
DTM	Date/Time Reference	O	15	O
W09	Equipment and Temperature	O	1	X
H3	Special Handling Instructions	O	6	X
EA	Equipment Attributes	O	5	X
LoopLX		**M**	**999**	**M**
LX	Assigned Number	M	1	M
N7	Equipment Details	O	1	D
W09	Equipment and Temperature	O	1	X
K1	Remarks	O	10	O
L0	Line Item - Quantity and Weight	O	1	M
L5	Description, Marks and Numbers	O	1	M
L4	Measurement	O	1	X
L1	Rate and Charges	O	1	X
LoopH1		**O**	**10**	**O**
H1	Hazardous Material	O	1	O
H2	Additional Hazardous Material Description	O	10	O
V1	Vessel Identification	O	2	O
V9	Event Detail	O	10	X
SE	Transaction Set Trailer	M	1	M
GE	Functional Group Trailer	O	1	M
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|          |00|          |ZZ|HAPAG-LLOYD    |ZZ|PARTNERID      |110830|155
3|U|00401|000000001|0|P|^~
```

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:** `00 No authorization information present (no meaningful information in I02)`			
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) **Note:** `10 empty spaces`			
I03	SECURITY INFORMATION QUALIFIER	M	id2	M
	Description: Code identifying the type of information in the Security Information **Note:** `00 No authorization information present (no meaningful information in I04)`			
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:** `10 empty spaces`			
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:** `ZZ Mutually defined`			
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:

```
Set to 'HAPAG-LLOYD' followed by 4 empty spaces to fill 15 characters
```

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:

```
ZZ    Mutually defined
```

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:

```
Set to Interchange Receiver ID followed by empty spaces to fill 15 characters
```

I08	INTERCHANGE DATE	M	dt6	M

Description:
Date of the interchange

I09	INTERCHANGE TIME	M	tm4	M

Description:
Time of the interchange

I10	INTERCHANGE CONTROL STANDARDS IDENTIFIER	M	id1	M

Note:

```
U    U.S. EDI Community of ASC X12, TDCC and UCS
```

I11	INTERCHANGE CONTROL VERSION NUMBER	M	id5	M

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

```
00401    Draft Standards for Trial Use Approved for Publication by
```

I12	INTERCHANGE CONTROL NUMBER	M	n09	M

Description:
A control number assigned by the interchange sender

I13	ACKNOWLEDGMENT REQUESTED	M	id1	M

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

```
0    No Interchange Acknowledgment Requested
```

I14	USAGE INDICATOR	M	id1	M

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

Note:

```
P    Production Data
T    Test Data
```

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: M Min/Max: 0/1
Group: N/A

up

Description:

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

Example:

```
GS|RO|HAPAG-LLOYD|PARTNERID|20110830|1553|001|X|004010~
```

Tag	Element Name	Status	Type	Usag
479	FUNCTIONAL IDENTIFIER CODE	M	id2	M
	Description: Code identifying a group of application related transaction sets **Note:** `RO Ocean Booking Information (300, 301,303)`			
142	APPLICATION SENDER'S CODE	M	an..15	M
	Description: Code identifying party sending transmission; codes agreed to by trading partners **Note:** `HAPAG-LLOYD`			
124	APPLICATION RECEIVER'S CODE	M	an..15	M
	Description: Code identifying party receiving transmission; codes agreed to by trading partners **Note:** `Interchange Receiver ID`			
373	DATE	M	dt8	M
	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year			
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			
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 Accredited Standards Committee 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:

```
004010    Draft Standards Approved for Publication by ASC X12
```

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|301|0001~
```

Tag	Element Name	Status	Type	Usag
143	TRANSACTION SET IDENTIFIER CODE	M	id3	M
	Description: Code uniquely identifying a Transaction Set **Note:** `301 Confirmation (Ocean)`			
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			

B1 Beginning Segment for Booking or Pick-up/Delivery

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

up

Description:

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

Example:

```
B1|HLCU|EDI-REFERENCE|20110830|A~
```

Tag	Element Name	Status	Type	Usag
140	STANDARD CARRIER ALPHA CODE	O	id..4	M
	Description: Standard Carrier Alpha Code **Note:** `SCAC code of Hapag Lloyd`			
145	SHIPMENT IDENTIFICATION NUMBER	M	an..30	M
	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:** `In this element the EDI-partner's unique reference, received by Hapag Lloyd in the related 300 in the same element, is returned. It is identical for originals, replacements and cancellations.`			
373	DATE	O	dt8	M
	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year **Note:** `Date the booking is initially placed at Hapag-Lloyd`			
558	RESERVATION ACTION CODE	O	id1	M

	Description:
	Code identifying action on reservation or offering
	Note:
	`A Reservation accepted`
	`D Reservation cancelled`			

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

Note:

```
Hapag-Lloyd employee, who is responsible for the shipment.
```

Example:

```
G61|IC|CONTACT NAME|TE|CONTACT NUMBER~
```

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

Y3 Space Confirmation

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

up

Description:

To specify confirmation information for space booking including numbers, dates, and load time

Example:

```
Y3|12345678||20110905|20110928|||20110826|070000||PD~
```

Tag	Element Name	Status	Type	Usag
13	BOOKING NUMBER	M	an..17	M
	Description: Number assigned by the carrier for space reservation **Note:** `Hapag-Lloyd's 8-digit booking number`			
140	STANDARD CARRIER ALPHA CODE	O	id..4	X
	Description: Standard Carrier Alpha Code			
373	DATE	O	dt8	D
	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year **Note:** `Planned departure date of maincarriage vessel at port of loading. Empty in case of cancellations.`			
373	DATE	O	dt8	D
	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year **Note:** `Planned arrival date of maincarriage vessel at port of discharge. Empty in case of cancellations.`			
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			
112	PIER NAME	O	an..14	X
	Description: Free-form name of the pier			
373	DATE	O	dt8	D
	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year **Note:** `Container cut-off date. May be empty in case of cancellations.`			
337	TIME	O	tm..8	D

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:

```
Container cut-off time. May be empty in case of cancellations.
```

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

Description:
Code specifying the method or type of transportation for the shipment

375	TARIFF SERVICE CODE	O	id2	M

Description:
Code specifying the types of services for rating purposes
Note:

```
DD    Door-to-Door
DP    Door-to-Pier
DR    Door-to-Rail
PD    Pier-to-Door
PP    Pier-to-Pier
PR    Pier-to-Rail
RD    Rail-to-Door
RP    Rail-to-Pier
RR    Rail-to-Rail
```

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

Y4 Container Release

Status: O Usage: M Min/Max: 0/1
Group: LoopY4

up

Description:

To transmit information relative to containers available for release

Example:

```
Y4|||20110903||1|22GP||CI|HAMBURG~
```

Tag	Element Name	Status	Type	Usag
13	BOOKING NUMBER	O	an..17	X
	Description: Number assigned by the carrier for space reservation			
13	BOOKING NUMBER	O	an..17	X
	Description: Number assigned by the carrier for space reservation			
373	DATE	O	dt8	D

	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year
	Note:
	`Positioning date/time (for carrier's haulage arrangements),`
	`Pick up date/time (for merchant haulage arrangments)`
	`May be empty in case of cancellations.`			

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			
95	NUMBER OF CONTAINERS	O	n0..4	M
	Description: Number of shipping containers **Note:** `Container amount of this unit type.`			
24	EQUIPMENT TYPE	O	id4	M
	Description: Code identifying equipment type **Note:** `Actual ISO container group or size type`			
140	STANDARD CARRIER ALPHA CODE	O	id..4	X
	Description: Standard Carrier Alpha Code			
309	LOCATION QUALIFIER	O	id..2	O
	Description: Code identifying type of location **Note:** `CI City`			
310	LOCATION IDENTIFIER	O	an..30	O

	Description: Code which identifies a specific location **Note:** `Location name of export depot`			
56	TYPE OF SERVICE CODE	O	id2	X
	Description: Code specifying extent of transportation service requested			

W09 Equipment and Temperature

Status: O Usage: O Min/Max: 0/1
Group: LoopY4

up

Description:

To relate equipment type and required temperatures

Example:

```
W09|CZ|15|FA|||E||20~
```

Tag	Element Name	Status	Type	Usag
40	EQUIPMENT DESCRIPTION CODE	M	id2	M
	Description: Code identifying type of equipment used for shipment **Note:** `CZ Refrigerated Container`			
408	TEMPERATURE	O	r..4	M
	Description: Temperature **Note:** `Set temperature at which equipment is to be maintained. Modern reefer container only allow one temperature setting and no range. Therefore Hapag-Lloyd cannot process a different minimum and maximum temperature but only one set temperature.`			
355	UNIT OR BASIS FOR MEASUREMENT CODE	O	id2	M

	Description:
	Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
	Note:
	`CE Centigrade, Celsius`
	`FA Fahrenheit`			

408	TEMPERATURE	O	r..4	X
	Description: Temperature			
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			
3	FREE FORM MESSAGE	O	an..60	X
	Description: Free-form text			
1122	VENT SETTING CODE	O	id1	O

	Description:
	Code describing the setting on the air vents on ocean-type containers
	Note:
	`A Vent 25% Open`
	`B Vent 50% Open`
	`C Vent 75% Open`
	`D Vent 100% Open`
	`E Closed`
	`F Vent 10% Open`			

488	PERCENT	O	n0..3	X

	Description: Percent given in integer format (e.g., 0 through 100 represents 0% through 100%)			
380	QUANTITY	O	r..15	O
	Description: Numeric value of quantity **Note:** `Air Exchange required in cbm/h`			

N9 Reference Identification

Status: O Usage: M Min/Max: 0/100
Group: N/A

up

Description:

To transmit identifying information as specified by the Reference Identification Qualifier

Example:

```
N9|BN|12345678~
N9|CR|12354~
```

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

Description:

Code qualifying the Reference Identification

Note:

```
BN    Hapag-Lloyd's current 8-digit booking number

BS    Hapag-Lloyd's original 8-digit booking number. This will only
      appear when the original booking was splitted

BM    Bill of lading number or sea waybill number.
      May be repeated more than once.

CI    Unique Consignment Identifier
      UK-UCR number. Typically provided by the Exporter or its Agent
      for shipment departing Great Britain.

CR    Customer Reference Number

XC    (Canadian) Cargo Control Number
```

127	REFERENCE IDENTIFICATION	O	an..30	M

Description:

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

Note:

```
Reference value.

In case of REFERENCE IDENTIFICATION QUALIFIER is "VGM", no referenz value will b
e shown.
```

369	FREE-FORM DESCRIPTION	O	an..45	O

Description:

Free-form descriptive text

Note:

```
When 0128_Reference_Identification_Qualifier = 'CI', this is the UK-UCR Part number.
```

373	DATE	O	dt8	D

Description:

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

Note:

```
In case of REFERENCE IDENTIFICATION QUALIFIER is "VGM", the VGM Cut Off date is
present here.
```

337	TIME	O	tm..8	D

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:

```
In case of REFERENCE IDENTIFICATION QUALIFIER is "VGM", the VGM Cut Off time may
 be shown here.
```

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			

N1 Name

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

up

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

Example:

```
N1|R6|ORDERING CUSTOMER|94|123456~
```

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:** `CN Consignee` `FW Forwarder` `R6 Requestor (Ordering Customer, mandatory)` `SH Shipper`			
93	NAME	O	an..60	M
	Description: Free-form name **Note:** `Name of party`			
66	IDENTIFICATION CODE QUALIFIER	O	id..2	O
	Description: Code designating the system/method of code structure used for Identification Code (67) **Note:** `94 Code assigned by the organization that is the ultimate destination of the transaction se` `Code identifying a party/address involved in the shipment. The code list must be specified in a bilateral agreement between PARTNER and Hapag-Lloyd.`			
67	IDENTIFICATION CODE	O	an..80	O
	Description: Code identifying a party or other code **Note:** `Party Identification`			
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			

N3 Address Information

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

up

Description:

To specify the location of the named party

Note:

```
Address of organisation.
```

Example:

```
N3|FREIGHT FORWARDER|ADDRESS LINE 2~
N3|ADDRESS LINE 3|ADDRESS LINE 4~
```

Tag	Element Name	Status	Type	Usag
166	ADDRESS INFORMATION [1..2]	M	an..55	M

Description:
Address information
Note:

```
Address line
```

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

Note:

```
Contains operational routing points of the transport as well as customs relevant routing points of
the vessel.
```

Example:

```
R4|L|UN|CAMTR|MONTREAL~
R4|D|UN|DEHAM|HAMBURG~

Canada Customs:
R4|3|CD|0809~
R4|4|CD|0809~
R4|T|CD|3395~
R4|M|CD|3891~
```

Tag	Element Name	Status	Type	Usag
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:

```
Operational routing points of this transport

R     Place of Receipt (Start of shipment)
L     Port of Loading
D     Port of Discharge
E     Place of Delivery (End of shipment)
Y     Relay Port (Intermediate location)


Customs relevant routing points of the vessel

A     Place of Acceptance (First foreign Port, i.e. the port where
      Hapag-Lloyd takes possession of the cargo)
G     Port of Entry (1st US territory port of the voyage)
3     Customs Office of Manifest Origin (Port-location)
T     Customs Office of Manifest Origin (Sub-location)
4     Customs Office of Manifest Destination (Port where final documentation
      is filed for customs; can be either the first POL or the mainliner POL)
M     Customs Office of Manifest Destination (Sub-location)
H     Last foreign port (Last port before vessel reaches US territory;
      currently GU, PR and US belong to US Territory)
```

309	LOCATION QUALIFIER	O	id..2	M

Description:

Code identifying type of location

Note:

```
UN    United Nations Location Code (UNLOCODE)
CD    Canada Customs Office Code
```

310	LOCATION IDENTIFIER	O	an..30	M

Description:

Code which identifies a specific location

Note:

```
UN Location Code
CD Canada Customs Office Code
   port-location or rather sub-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 **Note:** `Location long name`			
26	COUNTRY CODE	O	id..3	X
	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	X
	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

Example:

```
DTM|371|20110904~
DTM|649|20160518|1200~
```

Tag	Element Name	Status	Type	Usag
374	DATE/TIME QUALIFIER	M	id3	M

	Description:
	Code specifying type of date or time, or both date and time
	Note:
	`If R4 0115_Port_Or_Terminal_Function_Code = 'G'`
	`371 Estimated Arrival Date`
	`Else if R4 0115_Port_Or_Terminal_Function_Code = '4'`
	`146 Closing Date (Date/time of documentation closing)`
	`Otherwise`
	`139 Estimated departure or arrival date`
	`146 Closing Date (Date/time of documentation closing)`
	`649 VGM Cut Off date/time. Latest date for presentation of the verified gross mass(weight).`			

373	DATE	O	dt8	M
	Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year **Note:** `Date Value`			
337	TIME	O	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:** `Time Value`			
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 th 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			

LX Assigned Number

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

up

Description:

To reference a line number in a transaction set

Note:

```
The first LX is always send without cargo information. Instead it contains information about the
customs relevance of the transport wihthin the K1 segments.

For each cargo, a new LX line is send which contains the cargo definition in the following segments
(L0, L5, H1, H2).
```

Example:

```
LX|1~
```

Tag	Element Name	Status	Type	Usag
554	ASSIGNED NUMBER	M	n0..6	M

Description:

Number assigned for differentiation within a transaction set

Note:

```
Sequential counter
```

N7 Equipment Details

Status: O Usage: D Min/Max: 0/1
Group: LoopLX

up

Description:
To identify the equipment

Tag	Element Name	Status	Type	Usag
206	EQUIPMENT INITIAL	O	an..4	X
	Description: Prefix or alphabetic part of an equipment unit's identifying number **Note:** `The alpha prefix of the container number.`			
207	EQUIPMENT NUMBER	M	an..10	X
	Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) **Note:** `The numeric container number.`			
81	WEIGHT	O	r..10	X
	Description: Numeric value of weight **Note:** `The gross weight of container, up to 3 decimal digits.`			
187	WEIGHT QUALIFIER	O	id..2	X
	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	X
	Description: Value of volumetric measure			
184	VOLUME UNIT QUALIFIER	O	id1	X
	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	X

	Description:
	Code specifying the weight unit
	Note:
	`K Kilograms`
	`L Pounds`			

761	EQUIPMENT NUMBER CHECK DIGIT	O	n01	X
	Description: Number which designates the check digit applied to a piece of equipment **Note:** `The check digit of the container number.`			
56	TYPE OF SERVICE CODE	O	id2	X
	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	X
	Description: Code identifying equipment type **Note:** `The ISO code for the container size.`			
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

K1 Remarks

Status: O Usage: O Min/Max: 0/10
Group: LoopLX

up

Description:

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

Note:

```
For the first LX, this segment contains information about the customs relevance of the transport.

In following LX segments, this segment may be used to send free text remarks to the customer.
```

Example:

```
K1|(CUSTOMS CLAUSE) THE HAPAG-LLO|YD AG SHALL NOT BE RESPONSIBLE~
K1|FOR ANY COSTS/DELAYS OCCURING|DUE TO INTERVENTION OF CUSTOM~

Customs System:
K1|CUSSYS|CN-CCAM~
K1|CUSSYS|EU-AIS~

Customs Pertinence:
K1|CUSPER|D~
```

Tag	Element Name	Status	Type	Usag
61	FREE-FORM MESSAGE [1..2]	M	an..30	M

Description:

Free-form information

Note:

```
For the first LX

Customs System:
CUSSYS    AMS
CUSSYS    ACI
CUSSYS    MX-SAT
CUSSYS    CN-CCAM
CUSSYS    EU-AIS
CUSSYS    EU-AES

Customs Pertinence:
CUSPER    D     Direct Shipment
CUSPER    T     T&E (Transportation and Exportation)
CUSPER    I     IE (Immediate Export)
CUSPER    F     FROB (Foreign cargo remaining on board)


Otherwise

Free Text value
```

L0 Line Item - Quantity and Weight

Status: O Usage: M Min/Max: 0/1
Group: LoopLX

up

Description:

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

Note:

```
Used to specify the cargo package details.
```

Example:

```
L0|1|||9112|G|35.986|X|17|BAG||K|~
```

Tag	Element Name	Status	Type	Usag
213	LADING LINE ITEM NUMBER	O	n0..3	M
	Description: Sequential line number for a lading item **Note:** `Sequential counter`			
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 **Note:** `Weight value`			
187	WEIGHT QUALIFIER	O	id..2	D
	Description: Code defining the type of weight **Note:** `G Gross Weight`			
183	VOLUME	O	r..8	O
	Description: Value of volumetric measure **Note:** `Volume value`			
184	VOLUME UNIT QUALIFIER	O	id1	D

	Description: Code identifying the volume unit **Note:** E Cubic Feet G Gallons N Cubic Inches V Liter X Cubic Meters			
80	LADING QUANTITY	O	n0..7	O
	Description: Number of units (pieces) of the lading commodity **Note:** Outer packing quantity			
211	PACKAGING FORM CODE	O	id3	O
	Description: Code for packaging form of the lading quantity **Note:** ISO Package code (as received in corresponding 300)			
458	DUNNAGE DESCRIPTION	O	an..25	X
	Description: Material used to protect lading			
188	WEIGHT UNIT CODE	O	id1	D
	Description: Code specifying the weight unit **Note:** E Metric Ton G Grams K Kilograms L Pounds S Short Ton T Long Ton			
56	TYPE OF SERVICE CODE	O	id2	X
	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: M Min/Max: 0/1
Group: LoopLX

up

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

Example:

```
L5|1|COAXIAL CABLES AND ACCESSORIES~
```

Tag	Element Name	Status	Type	Usag
213	LADING LINE ITEM NUMBER	O	n0..3	M
	Description: Sequential line number for a lading item **Note:** `Sequential counter`			
79	LADING DESCRIPTION	O	an..50	M
	Description: Description of an item as required for rating and billing purposes **Note:** `Commodity description`			
22	COMMODITY CODE	O	an..30	X
	Description: Code describing a commodity or group of commodities			
23	COMMODITY CODE QUALIFIER	O	id1	X
	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	X
	Description: Marks and numbers used to identify a shipment or parts of a shipment			
88	MARKS AND NUMBERS QUALIFIER	O	id..2	X
	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			

H1 Hazardous Material

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

up

Description:

To specify information relative to hazardous material

Note:

```
The H1 segment is used for transportation of Dangerous Goods. Only one H1 segment will be send for
each Cargo.
```

Example:

```
H1|1733|08|I|ANTIMONYTRICHLORIDE|14153671234||140|CE|II~
```

Tag	Element Name	Status	Type	Usag
62	HAZARDOUS MATERIAL CODE	M	an..10	M
	Description: Code relating to hazardous material code qualifier for regulated hazardous materials **Note:** `UNDG number`			
209	HAZARDOUS MATERIAL CLASS CODE	O	an..4	M
	Description: Code specifying the kind of hazard for a material **Note:** `IMDG class`			
208	HAZARDOUS MATERIAL CODE QUALIFIER	O	id1	M
	Description: Code which qualifies the Hazardous Material Class Code (209) **Note:** `I  Intergovernmental Maritime Organization (IMO) IMDG Code`			
64	HAZARDOUS MATERIAL DESCRIPTION	O	an..30	M
	Description: Material name, special instructions, and phone number if any **Note:** `Proper shipping name`			
63	HAZARDOUS MATERIAL CONTACT	O	an..24	M
	Description: Phone number and name of person or department to contact in case of emergency **Note:** `24 hour emergency contact phone number`			
200	HAZARDOUS MATERIALS PAGE	O	an..6	O
	Description: The United Nations page number as required for the international transport of hazardous materials **Note:** `EMS Number. Format "X-XX-X"`			

77	FLASHPOINT TEMPERATURE	O	n..3	O

Description:
The flashpoint temperature for hazardous material
Note:

```
The value will have one decimal place maximum.
```

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     Centigrade, Celsius
FA     Fahrenheit
```

254	PACKING GROUP CODE	O	id..3	M

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

```
I      Great danger
II     Medium danger
III    Minor danger
```

H2 Additional Hazardous Material Description

Status: O Usage: O Min/Max: 0/10
Group: LoopH1

up

Description:

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

Note:

```
Dangerous goods additional information
```

Example:

```
H2|2.543|NEC~
H2|FALSE|MPI~
H2|FALSE|LQY~
H2|FALSE|EQY~
H2|FALSE|RQ~
```

Tag	Element Name	Status	Type	Usag
64	HAZARDOUS MATERIAL DESCRIPTION	M	an..30	M

Description:

Material name, special instructions, and phone number if any

Note:

```
When 0274_Hazardous_Material_Classification = 'EQY', 'LQY', 'MPI' or 'RQ'

true
false


Otherwise

value
```

274	HAZARDOUS MATERIAL CLASSIFICATION	O	an..30	M

Description:

Free-form description of hazardous material classification or division or label requirements

Note:

```
EQY    Excepted Quantity
LQY    Limited Quantity
MPI    Marine Pollutant Flag
NEC    Net explosive Content
RQ     Reportable Quantity
TEC    Technical Name
```

V1 Vessel Identification

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

up

Description:
To provide vessel details and voyage number

Example:

```
V1|8913772|HAMBURG EXPRESS||65W32||||L~
```

Tag	Element Name	Status	Type	Usag
597	VESSEL CODE	O	id..8	O
	Description: Code identifying vessel **Note:** `Lloyd's code`			
182	VESSEL NAME	O	an..28	M
	Description: Name of ship as documented in "Lloyd's Register of Ships" **Note:** `Name of vessel`			
26	COUNTRY CODE	O	id..3	X
	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:** `Schedule voyage number`			
140	STANDARD CARRIER ALPHA CODE	O	id..4	X
	Description: Standard Carrier Alpha Code			
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			

SE Transaction Set Trailer

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

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|43|0001~
```

Tag	Element Name	Status	Type	Usag
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 **Note:** `Same as in ST segment in same element.`			

GE Functional Group Trailer

Status: O Usage: M Min/Max: 0/1
Group: LoopLX

up

Description:

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

Example:

```
GE|1|001~
```

Tag	Element Name	Status	Type	Usag
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 **Note:** `Same as in GS segment in same element.`			

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~
```

Tag	Element Name	Status	Type	Usag
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 **Note:** `Same as in ISA segment in same element.`			