304 4010

EDI User Manual

Version: 1.8

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Trading Partner: all
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Table of Contents

Functional Definition

Revision History

Date	Version	Description	Author
2011-03-02	1.0	Document created	Daniel Schaefer
2011-03-24	1.1	Cargo Tracking Number added (LX - L0 - N9)	Daniel Schaefer
2011-09-02	1.2	Finetuning of Interchange segments	Daniel Schaefer
2011-10-07	1.3	QTY 355 is not used field	Abdelmounaim Fares
2011-11-04	1.4	Custom house broker reference and FMC number added (N9)	Daniel Schaefer
2016-04-12	1.5	Verified Gross Mass handling added Affected Segments: N1, G61, N7, N9	Peter Scharringhausen
2016-06-03	1.6	Verified Gross Mass handling updated: Additional LoopN7 is required, in case of verified gross mass is reported.	Peter Scharringhausen
2018-06-18	1.7	Addition of new N9 qualifiersfor customs requirements ERN as Exporter's Ref. => Brazils RUC Unique Consignment Reference ACD as Additional Ref. => Brazils DUE Unique Export Declaration N9|ERN|Brazils RUC Unique Consignment N9|ACD|Brazils DUE Unique Export new usage of N9 qualifier TJ several times to transmit the USCC tax id for Chinas Shipper and/or Consignee N9|TJ| USCC Taxid No for Shipper|SH N9|TJ|USCC Taxid No for Consignee|CN	Maren Buschmann

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
B2	Beginning Segment for Shipment Information Transaction	M	1	M
B2A	Set Purpose	O	1	M
Y6	Authentication	O	2	X
G1	Shipment Type Information	O	1	X
G2	Beyond Routing	O	1	X
G3	Compensation Information	O	1	X
N9	Reference Identification	O	100	O
YNQ	Yes/No Question	O	10	X
V1	Vessel Identification	O	2	M
V3	Vessel Schedule	O	1	X
M0	Letter of Credit Reference	O	1	X
CUR	Currency	O	1	X
LoopM1		**O**	**5**	**X**
M1	Insurance	O	1	X
CUR	Currency	O	1	X
M2	Sales/Delivery Terms	O	1	X
C2	Bank ID	O	1	X
ITD	Terms of Sale/Deferred Terms of Sale	O	1	X
DTM	Date/Time Reference	O	20	X
LoopN1		**O**	**100**	**O**
N1	Name	O	1	M
N2	Additional Name Information	O	2	X
N3	Address Information	O	2	O
N4	Geographic Location	O	1	X
G61	Contact	O	3	D
LoopR4		**O**	**20**	**M**
R4	Port or Terminal	O	1	M
DTM	Date/Time Reference	O	15	X
R2A	Route Information with Preference	O	25	X
R2	Route Information	O	13	X
K1	Remarks	O	12	O
L11	Business Instructions and Reference Number	O	99	X
H3	Special Handling Instructions	O	6	X
L5	Description, Marks and Numbers	O	999	X
X1	Export License	O	25	X
X2	Import License	O	5	X
LoopC8		**O**	**20**	**O**
C8	Certifications and Clauses	O	1	O
C8C	Certifications Clauses Continuation	O	5	O
SUP	Supplementary Information	O	10	X
LoopLX		**O**	**999**	**M**

LX	Assigned Number	O	1	M
Y2	Container Details	O	10	M
LoopN7		**O**	**999**	**M**
N7	Equipment Details	O	1	M
QTY	Quantity	O	1	M
L4	Measurement	O	1	X
N12	Equipment Environment	O	1	X
M7	Seal Numbers	O	5	O
M7A	Seal Number Replacement	O	100	X
W09	Equipment and Temperature	O	1	X
LH6	Hazardous Certification	O	6	X
LoopL1		**O**	**20**	**X**
L1	Rate and Charges	O	1	X
CUR	Currency	O	1	X
L7	Tariff Reference	O	1	X
X1	Export License	O	25	X
X2	Import License	O	5	X
N9	Reference Identification	O	100	O
LoopH1		**O**	**10**	**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	O	10	X
LFH	Freeform 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
L11	Business Instructions and Reference Number	O	100	X
K1	Remarks	O	10	X
LoopPO4		**O**	**100**	**X**
PO4	Item Physical Details	O	1	X
MEA	Measurements	O	5	X
MAN	Marks and Numbers	O	5	X
N9	Reference Identification	O	5	X
LoopL0		**O**	**120**	**M**
L0	Line Item - Quantity and Weight	O	1	M
MEA	Measurements	O	10	X
LoopPO4		**O**	**100**	**X**
PO4	Item Physical Details	O	1	X
MEA	Measurements	O	5	X
MAN	Marks and Numbers	O	5	X
N9	Reference Identification	O	5	X
QTY	Quantity	O	5	X
L4	Measurement	O	1	X

LH6	Hazardous Certification	O	6	X
LoopPAL		**O**	**3**	**X**
PAL	Pallet Information	O	1	X
QTY	Quantity	O	1	X
LoopCTP		**O**	**1**	**X**
CTP	Pricing Information	O	1	X
CUR	Currency	O	1	X
L5	Description, Marks and Numbers	O	999	O
LIN	Item Identification	O	1	X
L12	Alternate Lading Description	O	20	X
N9	Reference Identification	O	100	O
YNQ	Yes/No Question	O	10	X
LoopL1		**O**	**20**	**X**
L1	Rate and Charges	O	1	X
CUR	Currency	O	1	X
L7	Tariff Reference	O	1	X
LoopSAC		**O**	**10**	**X**
SAC	Service, Promotion, Allowance, or Charge Information	O	1	X
CUR	Currency	O	1	X
LoopL9		**O**	**10**	**X**
L9	Charge Detail	O	1	X
CUR	Currency	O	1	X
X1	Export License	O	25	X
X2	Import License	O	5	X
LoopC8		**O**	**20**	**X**
C8	Certifications and Clauses	O	1	X
C8C	Certifications Clauses Continuation	O	5	X
SUP	Supplementary Information	O	10	X
LoopH1		**O**	**10**	**X**
H1	Hazardous Material	O	1	X
H2	Additional Hazardous Material Description	O	10	X
LoopLH1		**O**	**1**	**X**
LH1	Hazardous Identification Information	O	1	X
LH2	Hazardous Classification Information	O	4	X
LH3	Hazardous Material Shipping Name	O	10	X
LFH	Freeform 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

LoopN1		O	10	X
N1	Name	O	1	X
N2	Additional Name Information	O	2	X
N3	Address Information	O	2	X
N4	Geographic Location	O	1	X
G61	Contact	O	3	X

LoopL3		O	1	O
L3	Total Weight and Charges	O	1	O
CUR	Currency	O	1	X
MEA	Measurements	O	5	X
PWK	Paperwork	O	50	O
SUP	Supplementary Information	O	999	X

LoopL1		O	20	X
L1	Rate and Charges	O	1	X
CUR	Currency	O	1	X

LoopTDS		O	1	X
TDS	Total Monetary Value Summary	O	1	X
CUR	Currency	O	1	X

LoopSAC		O	10	X
SAC	Service, Promotion, Allowance, or Charge Information	O	1	X
CUR	Currency	O	1	X

LoopL9		O	10	X
L9	Charge Detail	O	1	X
CUR	Currency	O	1	X

ISS	Invoice Shipment Summary	O	5	X
V9	Event Detail	O	10	X
K1	Remarks	O	999	X
L11	Business Instructions and Reference Number	O	24	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|PARTNERID      |ZZ|HAPAG-LLOYD    |110226|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:

```
Interchange Sender ID followed by 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:

```
HAPAG-LLOYD    followed by 4 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    Standards Approved for Publication by ASC X12 Procedures Review Board
```

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

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|SO|PARTNERID|HAPAG-LLOYD|20110226|1553|001|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:** `SO Ocean Shipment Information (304, ...)`			
142	APPLICATION SENDER'S CODE	M	an..15	M
	Description: Code identifying party sending transmission; codes agreed to by trading partners **Note:** `Interchange Sender ID`			
124	APPLICATION RECEIVER'S CODE	M	an..15	M
	Description: Code identifying party receiving transmission; codes agreed to by trading partners **Note:** `HAPAG-LLOYD`			
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    Standards Approved for Publication by ASC X12 Procedures Review Board
          through October 1997
```

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|304|0001~
```

Tag	Element Name	Status	Type	Usage
143	TRANSACTION SET IDENTIFIER CODE	M	id3	M
	Description: Code uniquely identifying a Transaction Set **Note:** `304`			
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			

B2 Beginning Segment for Shipment Information Transaction

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

up

Description:

To transmit basic data relating to shipment information

Example:

```
B2||||EDI-REFERENCE|||B~
```

Tag	Element Name	Status	Type	Usage
375	TARIFF SERVICE CODE	O	id2	X
	Description: Code specifying the types of services for rating purposes			
140	STANDARD CARRIER ALPHA CODE	O	id..4	X
	Description: Standard Carrier Alpha Code			
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			
145	SHIPMENT IDENTIFICATION NUMBER	O	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:** `Partners unique EDI Reference`			
188	WEIGHT UNIT CODE	O	id1	X
	Description: Code specifying the weight unit			
146	SHIPMENT METHOD OF PAYMENT	M	id2	X
	Description: Code identifying payment terms for transportation charges			
147	SHIPMENT QUALIFIER	O	id1	M

	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 original`
	`2  Sea waybill`			

86	TOTAL EQUIPMENT	O	n0..3	X
	Description: Total pieces of equipment			
460	SHIPMENT WEIGHT CODE	O	id1	X
	Description: Code indicating the way by which weights are obtained for a particular shipment			
501	CUSTOMS DOCUMENTATION HANDLING CODE	O	id2	X

	Description: Code defining method of handling for documentation			
335	TRANSPORTATION TERMS CODE	O	id3	X
	Description: Code identifying the trade terms which apply to the shipment transportation responsibility			
591	PAYMENT METHOD CODE	O	id3	X
	Description: Code identifying the method for the movement of payment instructions			

B2A Set Purpose

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

up

Description:

To allow for positive identification of transaction set purpose

Example:

```
B2A|00~
```

Tag	Element Name	Status	Type	Usage
353	TRANSACTION SET PURPOSE CODE	M	id2	M
	Description: Code identifying purpose of transaction set **Note:** 00 Original 05 Replacement			
346	APPLICATION TYPE	O	id2	X
	Description: Code identifying an application			

N9 Reference Identification

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

up

Description:

To transmit identifying information as specified by the Reference Identification Qualifier

Example:

```
N9|SI|12354~
N9|BN|12345678~

N9|TJ|TAX-ID-NO|SH~        <-- Tax Id of party shipper

N9|ERN|Brazils RUC Unique Consignment Reference~
N9|ACD|Brazils DUE Unique Export Declaration~

N9|TJ| USCC Taxid No for Shipper|SH~
N9|TJ|USCC Taxid No for Consignee|CN~
```

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

Description:

Code qualifying the Reference Identification

Note:

```
3Z    Customs Broker Reference Number
      Used for US Exports to provide the customs house broker
      reference number of the freight forwarder.

BN    Hapag-Lloyd's 8-digit booking number

BM    Bill of lading number

CG    Consignee's order number

FN    Freight forwarder's reference number

FM    Federal Maritime Commission (FMC) Forwarders Number
      Used for US Exports to provide the FMC number of the freight
      forwarder.

SI    Shipper's reference number

ON    Purchase order number

TN    Customs AES-ITN number. Note: Used to indicate the unique
      Internal Transaction number as provided by the US AES
      (Automated Export System).

TJ    Federal Taxpayer's Identification Number.
      This qualifier may be sent multiple times.
      It is related to a specific party function, which is sent
      within N1-Loop. The connection is drawn by use of the
      0369_Free_Form_Description, which must contain the party
      function code as under N1 0098_Entity_Identification_Code_1

LC    Letter of credit number

IV    Invoice number

ACD   Additional Reference Number used as
            Brazils DUE Unique Export Declaration

ERN   used as additional Customs Reference used as
            Brazils RUC Unique Consignment Reference
```

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
```

369	FREE-FORM DESCRIPTION	O	an..45	D

Description:
Free-form descriptive text

Note:

```
Must only be sent when the 0128_Reference_Identification_Qualifier = "TJ".
Must contain a party function code that is also sent under
N1 0098_Entity_Identification_Code_1.
```

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

up

Description:

To provide vessel details and voyage number

Example:

```
V1||HAMBURG EXPRESS||55W14~
```

Tag	Element Name	Status	Type	Usage
597	VESSEL CODE	O	id..8	X
	Description: Code identifying vessel			
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	M
	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	X
	Description: Code specifying vessel code source			
91	TRANSPORTATION METHOD/TYPE CODE	O	id..2	X
	Description: Code specifying the method or type of transportation for the shipment			

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

Note:

```
All address lines should have a max of 35 characters each.

Some Codes are mandatory, others are optional. Please see N1-0098_Entity_Identifier_Code_1 for
details.
```

Example:

```
N1|SH|Shipper Name~
N1|SPC|SOLAS verified gross mass responsible party|93|12345~
```

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 (M)` `SH Shipper (M)` `FW Freight Forwarder (O)` `N1 Notify party no. 1 (O)` `N2 Notify party no. 2 (O)` `R6 Requestor (Ordering customer) (M)` `SPC SOLAS packed container responsible party (O)`			
93	NAME	O	an..60	D
	Description: Free-form name **Note:** `Name of Party`			
66	IDENTIFICATION CODE QUALIFIER	O	id..2	D
	Description: Code designating the system/method of code structure used for Identification Code (67) **Note:** `93 Code identifying a party/address involved in the shipment. The code list must be specified in a bilateral agreement between CUSTOMER and Hapag-Lloyd.` `The code is mandatory for party qualifier 'R6' and 'SPC', but optional for all other qualifiers.`			
67	IDENTIFICATION CODE	O	an..80	D
	Description: Code identifying a party or other code **Note:** `Org Code Value.` `The code is mandatory for party qualifier 'R6' and 'SPC', but optional for all other qualifiers.`			
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: 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	O
	Description: Address information **Note:** `Party address.`			

G61 Contact

Status: O Usage: D Min/Max: 0/3
Group: LoopN1

up

Description:

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

Note:

```
IC: Information Contact for this specific party.
RP: Responsible Person for Verified Gross Maas (VGM) verification.
```

Example:

```
G61|IC|CONTACT NAME|TE|CONTACT NUMBER~
G61|RP|AUTHORIZED RESPONSIBLE PERSON|TE|CONTACT NUMBER~
```

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
	Note:
	`IC Information Contact`
	`RP Responsible Person (only in case of N101='SPC')`			

93	NAME	M	an..60	M

	Description:
	Free-form name
	Note:
	`Contact Name`
	`If G6101 = "RP", this information represents responsible person's name, which should be in CAPITAL letters`			

365	COMMUNICATION NUMBER QUALIFIER	O	id2	M

	Description:
	Code identifying the type of communication number
	Note:
	`EM Electronic mail`
	`FX Telefax`
	`TE Telephone`			

364	COMMUNICATION NUMBER	O	an..80	M
	Description: Complete communications number including country or area code when applicable **Note:** `Communictation Value`			
443	CONTACT INQUIRY REFERENCE	O	an..20	X
	Description: Additional reference number or description to clarify a contact number			

R4 Port or Terminal

Status: O Usage: M Min/Max: 0/1
Group: LoopR4

up

Description:

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

Example:

```
R4|L|UN|DEHAM|HAMBURG~
```

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 Place of receipt`
	`L Place/port of loading`
	`D Place/port of discharge`
	`E Place of delivery`			

309	LOCATION QUALIFIER	O	id..2	M
	Description: Code identifying type of location **Note:** `UN United Nations Location Code`			
310	LOCATION IDENTIFIER	O	an..30	M
	Description: Code which identifies a specific location **Note:** `UN Locode`			
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			

K1 Remarks

Status: O Usage: O Min/Max: 0/12
Group: LoopR4

up

Description:

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

Note:

```
Bill of lading / Sea waybill remarks (not printed on B/L)
```

Example:

```
K1|FREE TEXT 1|FREE TEXT 2~
```

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

Description:
Free-form information
Note:

```
Free Text
```

C8 Certifications and Clauses

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

up

Description:

To specify applicable certifications and clauses

Note:

```
Bill of lading / Sea waybill clause (printed on B/L)
```

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	X
	Description: Code identifying certification/clause information			
247	CERTIFICATION/CLAUSE TEXT	O	an..60	M

	Description:
	Free-form description of commercial invoice certification/clause
	Note:
	`Free text`
	Example:
	`C8|||FREIGHT COLLECT~`			

1302	SHIPPER'S EXPORT DECLARATION REQUIREMENTS	O	an..2	X
	Description: Code identifying which Shipper's Export Declaration (SED) requirements are being met			

C8C Certifications Clauses Continuation

Status: O Usage: O Min/Max: 0/5
Group: LoopC8

up

Description:

To specify additional applicable certifications and clauses

Note:

```
Bill of lading / Sea waybill clause (printed on B/L) Continuation.
```

Tag	Element Name	Status	Type	Usage
247	CERTIFICATION/CLAUSE TEXT [1..3]	M	an..60	M

Description:

Free-form description of commercial invoice certification/clause

Note:

```
Free text
```

Example:

```
C8C|Further free text|More free text.~
```

LX Assigned Number

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

up

Description:

To reference a line number in a transaction set

Note:

```
Please provide one LX loop for each "commodity" on the Bill of Lading.
```

Example:

```
LX|0001~
```

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

Description:

Number assigned for differentiation within a transaction set

Note:

```
This field should be the line number, incremented from one by one, for each LX loop
created for each unique "commodity" on the bill of lading.
```

Y2 Container Details

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

up

Description:

To specify container information and transportation service to be used

Example:

```
Y2|2|||ZZZZ~
```

Tag	Element Name	Status	Type	Usage
95	NUMBER OF CONTAINERS	M	n0..4	M
	Description: Number of shipping containers **Note:** `Total number of containers on this Bill of Lading in which the current unique "commodity" is loaded.`			
78	CONTAINER TYPE REQUEST CODE	O	id1	X
	Description: Code indicating type of container equipment requested			
56	TYPE OF SERVICE CODE	O	id2	X
	Description: Code specifying extent of transportation service requested			
24	EQUIPMENT TYPE	M	id4	M

	Description:
	Code identifying equipment type
	Note:
	`Equipment type will not be specified here.`
	`ZZZZ mutually defined.`			

91	TRANSPORTATION METHOD/TYPE CODE	O	id..2	X
	Description: Code specifying the method or type of transportation for the shipment			
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			

N7 Equipment Details

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

up

Description:

To identify the equipment

Note:

```
ONE N7 loop should be created for each unique container a "commodity" is loaded into.

Reporting of verified gross mass (VGM):
For each container a second N7 segment has to be populated. The second N7 segment, at least has
to contain the Verified Gross Mass and the weight qualifier "A6" and all other mandatory
elements.
The VGM-LoopN7 must contain the required VGM N9 references, which contain the additional VGM
information.
```

Example:

```
N7|HLCU|111111|4518.000|G||||15.032|X||2B||||||K|4||||22GP~
N7|HLCU|111111|4518.000|A6|||||||||||||K|4||||22GP~
```

Tag	Element Name	Status	Type	Usage
206	EQUIPMENT INITIAL	O	an..4	M
	Description: Prefix or alphabetic part of an equipment unit's identifying number **Note:** `This field should be the alpha prefix for the container number.`			
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:** `This field should be the remainder of the container number.`			
81	WEIGHT	O	r..10	O
	Description: Numeric value of weight **Note:** `This field should be the gross weight of a "commodity" in a container to 3 decim al places.`			
187	WEIGHT QUALIFIER	O	id..2	O
	Description: Code defining the type of weight **Note:** `G Gross weight` `A6 SOLAS Verified Container 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:

```
This field should be the volume of a "commodity" in a container to three decimal
 places.
```

184	VOLUME UNIT QUALIFIER	O	id1	O

Description:
Code identifying the volume unit
Note:

```
E    Cubic Feet
X    Cubic Meters
```

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    Kilograms
L    Pounds
```

761	EQUIPMENT NUMBER CHECK DIGIT	O	n01	M

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	M
	Description: Code identifying equipment type **Note:** `This field should be 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			

QTY Quantity

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

up

Description:
To specify quantity information

Example:

```
QTY|39|6
```

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 **Note:** `This field should be the total pieces of a "commodity" in a specific container.`			

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|SEAL~
```

Tag	Element Name	Status	Type	Usage
225	SEAL NUMBER	M	an..15	M
	Description: Unique number on seal used to close a shipment **Note:** `This field should be the Seal Number for a specific container a "commodity" is loaded in.`			
225	SEAL NUMBER	O	an..15	X
	Description: Unique number on seal used to close a shipment			
225	SEAL NUMBER	O	an..15	X
	Description: Unique number on seal used to close a shipment			
225	SEAL NUMBER	O	an..15	X
	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			

N9 Reference Identification

Status: O Usage: O Min/Max: 0/100
Group: LoopL1

up

Description:

To transmit identifying information as specified by the Reference Identification Qualifier

Note:

```
Verified Gross Mass related information like N9|VGM|...~ or N9|BN|...~ are only necessary in
case of N7 weight qualifier is "A6".

Example:
N7|HLCU|111111|4518.000|A6||||||||||||K|4||||22GP~
N9|VGM|12345|SM1|20160111|1356~
N9|BN|12345678~
```

Example:

```
N9|ED|CAED~
N9|VGM|12345|SM1|20160111|1356~
N9|BN|12345678~
```

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

	Description:
	Code qualifying the Reference Identification
	Note:
	`ED Canadian export declaration (CAED)`
	`VGM Gross Mass Verification`
	`BN Container related booking 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 if N901 = "VGM" the reference will represent the responsible N104 Identification code who is responsible for Gross Mass Verification`			

369	FREE-FORM DESCRIPTION	O	an..45	D

	Description:
	Free-form descriptive text
	Note:
	`In case of N901 is "VGM":`
	`SOLAS Method 1 or 2`
	`SM1 .. Gross Mass Verification – weighing`
	`SM2 .. Gross Mass Verification – calculation`			

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 N901 is "VGM": Date VGM was determined`			
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 N901 is "VGM": Time VGM was determined`			
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:** `LT   Local Time`			

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			

L0 Line Item - Quantity and Weight

Status: O Usage: M 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

Note:

```
One L0 loop should be created within each commodity LX loop, which summarizes the containers
and single commodity relationship.
```

Example:

```
L0|001|||11200.000|G|37.581|X|15|PKG|Packages and Packs|K~
```

Tag	Element Name	Status	Type	Usage
213	LADING LINE ITEM NUMBER	O	n0..3	M
	Description: Sequential line number for a lading item **Note:** `This field should be the line number.`			
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:** `Total Weight of one commodity on the Bill of Lading to three decimal places.`			
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 of one commodity on the Bill of Lading to three decimal places.`			
184	VOLUME UNIT QUALIFIER	O	id1	D

	Description: Code identifying the volume unit **Note:** E Cubic Feet X Cubic Meters			
80	LADING QUANTITY	O	n0..7	O
	Description: Number of units (pieces) of the lading commodity **Note:** Piece count of one commodity on the Bill of Lading.			
211	PACKAGING FORM CODE	O	id3	O
	Description: Code for packaging form of the lading quantity **Note:** Package type of the current "commodity."			
458	DUNNAGE DESCRIPTION	O	an..25	O
	Description: Material used to protect lading **Note:** Package Type Description (full text).			
188	WEIGHT UNIT CODE	O	id1	D
	Description: Code specifying the weight unit **Note:** K Kilograms L Pounds			
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: O Min/Max: 0/999
Group: LoopCTP

up

Description:

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

Note:

```
One L5 segment should be created for each Harmonized System-Based Schedule B code that is used
for a commodity or group of commodities.
```

Example:

```
L5|001|LADING DESCRIPTION|123456|J||Marks and numbers|L~
```

Tag	Element Name	Status	Type	Usage
213	LADING LINE ITEM NUMBER	O	n0..3	M
	Description: Sequential line number for a lading item **Note:** `This field should be the line number - corresponding with L0*01.`			
79	LADING DESCRIPTION	O	an..50	M
	Description: Description of an item as required for rating and billing purposes **Note:** `This element should contain commodity description information.`			
22	COMMODITY CODE	O	an..30	O
	Description: Code describing a commodity or group of commodities **Note:** `The Harmonized System-Based Schedule B Code used to describe a commodity or group of commodities.`			
23	COMMODITY CODE QUALIFIER	O	id1	M
	Description: Code identifying the commodity coding system used for Commodity Code **Note:** `J Harmonized System-Based Schedule B`			
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 **Note:** `Marks and Numbers`			
88	MARKS AND NUMBERS QUALIFIER	O	id..2	D

	Description: Code specifying the application or source of Marks and Numbers (87) **Note:** L Line Item Only			
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			

N9 Reference Identification

Status: O Usage: O Min/Max: 0/100
Group: LoopCTP

up

Description:

To transmit identifying information as specified by the Reference Identification Qualifier

Example:

```
N9|ED|CAED~
```

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

	Description:
	Code qualifying the Reference Identification
	Note:
	`ED  Canadian export declaration (CAED)`
	`XC  Cargo Tracking 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`			
369	FREE-FORM DESCRIPTION	O	an..45	X
	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			

L3 Total Weight and Charges

Status: O Usage: O Min/Max: 0/1
Group: LoopL3

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

Note:

```
Total weight, volume, and piece count of the entire Bill of Lading.
```

Example:

```
L3|11200.000|G|||||||37.581|X|15|K~
```

Tag	Element Name	Status	Type	Usage
81	WEIGHT	O	r..10	O
	Description: Numeric value of weight **Note:** `This field should be the total weight for the entire Bill of Lading to 3 decimal places.`			
187	WEIGHT QUALIFIER	O	id..2	X
	Description: Code defining the type of weight **Note:** `G 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	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			
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	X
	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
Note:

```
This field should be the total volume for the entire Bill of Lading to 3 decimal
places.
```

184	VOLUME UNIT QUALIFIER	O	id1	D

Description:
Code identifying the volume unit
Note:

```
E    Cubic Feet
X    Cubic Meters
```

80	LADING QUANTITY	O	n0..7	O

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

```
This field should be the total pieces on this entire Bill of Lading.
```

188	WEIGHT UNIT CODE	O	id1	D

Description:
Code specifying the weight unit
Note:

```
K    Kilograms
L    Pounds
```

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

PWK Paperwork

Status: O Usage: O Min/Max: 0/50
Group: LoopL3

up

Description:

To identify the type or transmission or both of paperwork or supporting information

Note:

```
Segment repeated for each Bill of Lading Type required.
```

Example:

```
PWK|SW|PO|1||||RATED~
PWK|SW|PO|1~
```

Tag	Element Name	Status	Type	Usage
755	REPORT TYPE CODE	M	id2	M

	Description:
	Code indicating the title or contents of a document, report or supporting item
	Note:
	`SW Seaway`
	`BO Original`
	`BC Copy`			

756	REPORT TRANSMISSION CODE	O	id..2	M
	Description: Code defining timing, transmission method or format by which reports are to be sent **Note:** `PO Printed Original Required`			
757	REPORT COPIES NEEDED	O	n0..2	O

	Description:
	The number of copies of a report that should be sent to the addressee
	Note:
	`For Seaway Bills '1' should be the output in this element.`
	`For Original Bills of Lading the total number being requested.`			

98	ENTITY IDENTIFIER CODE	O	id..3	X
	Description: Code identifying an organizational entity, a physical location, property or an individual			
66	IDENTIFICATION CODE QUALIFIER	O	id..2	X
	Description: Code designating the system/method of code structure used for Identification Code (67)			
67	IDENTIFICATION CODE	O	an..80	X
	Description: Code identifying a party or other code			
352	DESCRIPTION	O	an..80	O
	Description: A free-form description to clarify the related data elements and their content **Note:** `RATED rated Bill of lading`			

C002	ACTIONS INDICATED	O		X
	Description: Actions to be performed on the piece of paperwork identified			
704	Paperwork/Report Action Code [1..5]	M	id..2	X
	Description: Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required			
1525	REQUEST CATEGORY CODE	O	id..2	X
	Description: Code indicating a type of request			

SE Transaction Set Trailer

Status: M Usage: M Min/Max: 1/1
Group: LoopL9

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	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 **Note:** `Same as in ST segment in same element.`			

GE Functional Group Trailer

Status: O Usage: M Min/Max: 0/1
Group: LoopL9

up

Description:

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

Example:

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

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 **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	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 **Note:** `Same as in ISA segment in same element.`			

Examples

Mandatory content for VGM declaration

Segment/Tag	Element Name	Qualifier/Value	Description
LoopN1:N1	Party		
N101 [98]	ENTITY IDENTIFIER CODE	SPC	SOLAS packed container responsible party
N103 [66]	IDENTIFICATION CODE QUALIFIER	93	Code specified in a bilateral agreement between sender and Hapag-Lloyd
N104 [67]	IDENTIFICATION CODE	**#Value (ID)**	Party identifying code
LoopN1:G61	Contact		
G6101 [366]	CONTACT FUNCTION CODE	RP	Responsible Person for Verified Gross Maas (VGM) verification
G6102 [93]	NAME	#Value	Responsible Person Name
LoopLX	Transaction set		
LoopN7:N7	Equipment Details		
N701 [206]	EQUIPMENT INITIAL	#Value	Prefix or alphabetic part of an equipment unit's identifying number
N702 [207]	EQUIPMENT NUMBER	#Value	Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)
N703 [81]	WEIGHT	#Value	Numeric value of weight
N704 [187]	WEIGHT QUALIFIER	A6	SOLAS Verified Container Weight
N717 [188]	WEIGHT UNIT CODE	K, L	Kilograms, Pounds
N718 [761]	EQUIPMENT NUMBER CHECK DIGIT	#Value	Number which designates the check digit applied to a piece of equipment
LoopL1:N9	Reference Identification		
N901 [128]	REFERENCE IDENTIFICATION QUALIFIER	VGM	Gross Mass Verification
N902 [127]	REFERENCE IDENTIFICATION	**#Value (ID)**	In case if N901 = "VGM" the reference will represent the responsible N104 Identification code who is responsible for Gross Mass Verification

Example: Minimal VGM declaration

```
...
N9|BN|12345678~
...
N1|SPC||93|12345~
G61|RP|Authorized responsible person name~
...
N7|HLCU|111111|4518.000|G|||||||||||K|4~
...
N7|HLCU|111111|4518.000|A6|||||||||||K|4~
N9|VGM|12345~
...
```

Example: VGM declaration including optional information

```
...
N9|BN|12345678~
...
N1|SPC|SOLAS verified gross mass responsible party|93|12345~
G61|RP|Authorized responsible person|TE|CONTACT NUMBER~
N1|TB|Submitter|93|ABC667~
....
N7|HLCU|111111|4518.000|G||||15.032|X||2B||||||K|4||||22GP~
QTY|39|6~
M7|SEAL~
N9|ED|CAED~
N7|HLCU|111111|4518.000|A6|||||||||||||K|4||||22GP~
N9|VGM|12345|SM1|20160511|1356|LT~
N9|BN|12345600~
...
```

Example: No VGM declaration

```
...
N7|HLCU|111111|4518.000|G||||15.032|X||2B||||||K|4||||22GP~
M7|SEAL~
...
```